

Sensormatic Solutions Catalogue



Loss Prevention | Traffic Insights | Inventory Intelligence

Sensormatic
by Johnson Controls



Sensormatic Solutions Catalogue

The Sensormatic Solutions Difference 4

Loss Prevention 5

Hard Tags	6
Labels	47
Safers	94
Detection Systems	97
Deactivators	140
Detachers	165
Accessories	176
Shrink Management as a Service	184

Video Solutions 191

Compliance Manager 193

Inventory Intelligence 201

Solution Offerings	202
RFID Sensors	210
Point of Sale	234
Detection Systems	241
Readers & Antennas	249

Traffic Insights 259

Solution Offerings	260
Overhead People Counting	279

Throughout this catalogue,
please click on our logo
to return to the Table of
Contents>



The Sensormatic Solutions Difference

Sensormatic Solutions is Johnson Controls' leading global retail solutions portfolio in enabling smart and connected shopper engagement, with over 60 years of experience serving customers from boutiques to global retail enterprises. Our solutions are focused on the fundamental pillars of retail success, thereby driving sales, reducing risk, optimising labour, managing stock and enhancing the shopper experience.

The genuine Sensormatic portfolio offers comprehensive merchandise protection for nearly every high-theft, high-velocity category. Our suite of EAS hard tags, labels, detection systems, detachers and deactivators is engineered to enable open merchandising and reduce theft in virtually any retail environment. Shrink Management as a Service, our cloud-based analytics platform, provides device management and predictive insights for a more data-driven approach to decision making.

Our Inventory Intelligence portfolio harnesses Radio Frequency Identification (RFID) along with TrueVUE Cloud to provide a single source of truth for your inventory data with a global company-wide view. We help retailers to enable a frictionless brand and customer experience, both online and in store.

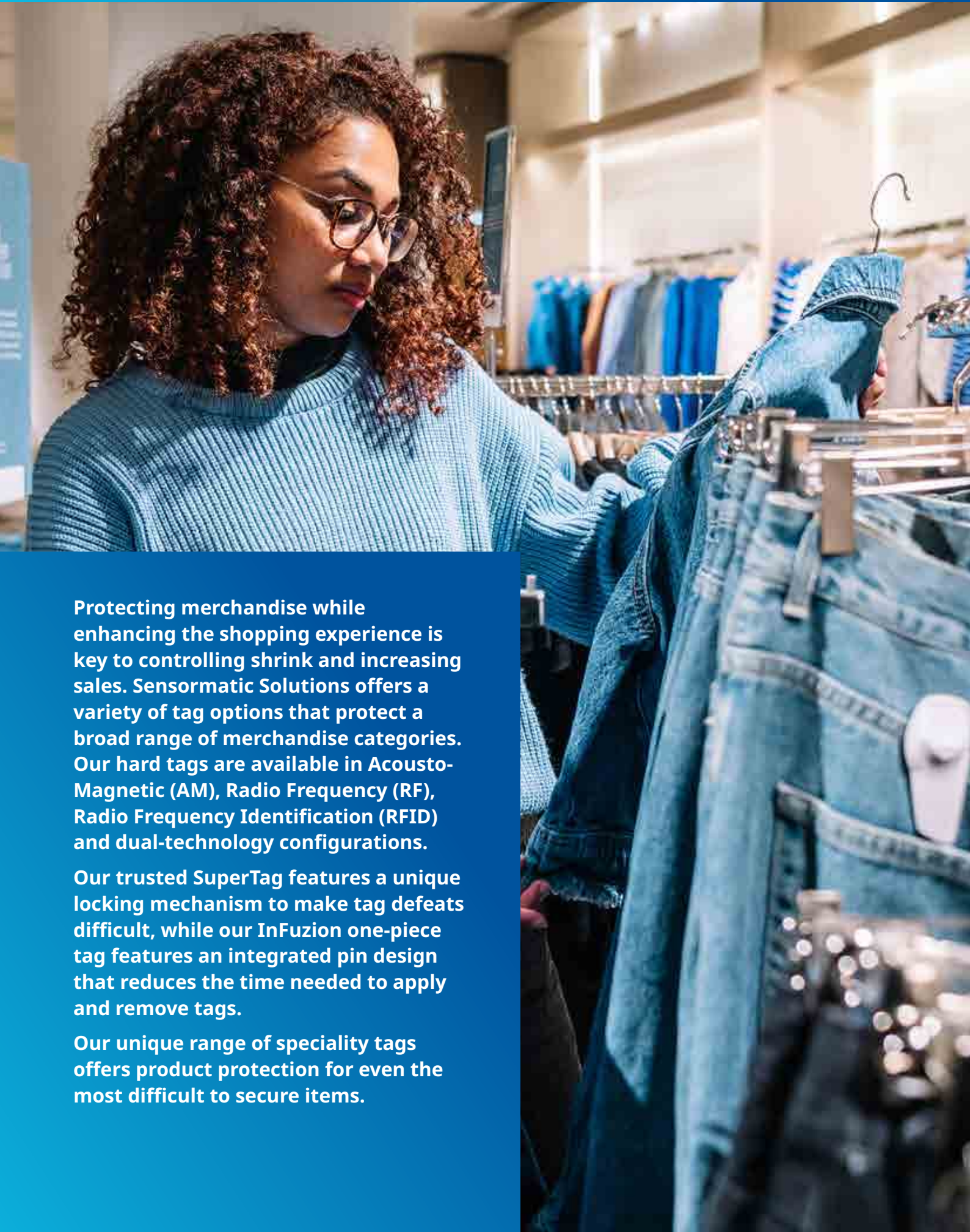
Our Traffic Insights portfolio brings digital shopper analytics into the store and retail properties to help optimise customer experiences. ShopperTrak Analytics centred solutions can build a comprehensive view of the shopper journey and behaviour in stores and shopping centres.

With innovative and problem-solving solutions across the retail environment, Sensormatic Solutions powers operational excellence at scale with smart offerings for frictionless positive customer experiences.

For more information or to purchase any of our solutions, visit www.sensormatic.com/contact to have a local sales representative assist you.

Loss Prevention





Protecting merchandise while enhancing the shopping experience is key to controlling shrink and increasing sales. Sensormatic Solutions offers a variety of tag options that protect a broad range of merchandise categories. Our hard tags are available in Acousto-Magnetic (AM), Radio Frequency (RF), Radio Frequency Identification (RFID) and dual-technology configurations.

Our trusted SuperTag features a unique locking mechanism to make tag defeats difficult, while our InFuzion one-piece tag features an integrated pin design that reduces the time needed to apply and remove tags.

Our unique range of speciality tags offers product protection for even the most difficult to secure items.



InFuzion SuperTag 4 is the latest innovation in the SuperTag portfolio, providing the highest level of anti-theft protection to date. The hard tag's unique design offers increased security to help further reduce shrink in high-value brands and merchandise categories. This AM hard tag features an integrated pin that downsizes the application process from two steps to one, allowing retailers to spend less time on in-store tagging. The tag is easily removed at the point-of-sale area to help improve front-end checkout efficiency. Plus, the integrated pin means there are no lost or broken pins to replace.

The InFuzion SuperTag 4 is designed using patented technology to help improve defeat resistance in comparison with earlier generations of the SuperTag. These tags prove especially effective when attached to items that are targeted by Organised Retail Crime (ORC), helping retailers to reduce shrink and maximise sales with improved on-shelf availability.

InFuzion SuperTag 4 ensures that hard tags are only unlocked by its own range of unique detachers, which are backwards compatible with previous generations of the SuperTag. SuperTag 4 power detachers can also be integrated with Sensormatic's Shrink Management as a Service analytics platform. This cloud-based platform provides insights into the number of detachments and the time of day at which detachments occur. This important data can help retailers to spot possible internal theft activity and to know if detachers are being used outside normal store operating

hours, while helping to identify employee training gaps.

InFuzion SuperTag 4 is available in an AM/RFID format, offering both asset protection and stock visibility in one hard tag. The AM/RFID InFuzion SuperTag 4 offers a future-ready path for retailers who are keen to advance to RFID stock management solutions. The AM/RFID version can be used to enable self-checkout applications by making sure that detaching only occurs after a valid purchase.

Retailer Values

- Patented dual-lock mechanism significantly improves in-store defeat challenges to help reduce shrink
- Reduces the time and labour required to apply and remove tags in comparison with traditional two-piece tags
- The AM/RFID version offers excellent product protection and item-level visibility which can be leveraged for future RFID investments

Solution Application

General merchandise, clothing

Product Codes

ZLAMT6200-ST4 – Light Grey

Product Compatibility

Shrink Management as a Service (SMaaS)

Detachers

SuperTag 4 Detacher

SuperTag 4 Manual Hand-held Detacher

Detacher Type

SuperTag

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 60°C (140°F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 60°C (140°F), up to 96 hours.

Construction Materials

Tag Housing

High-impact ABS

Label Housing

Low-density polyethylene/polyester/polyethylene 0.127 mm (0.0050 in)

Tack

ABS tack head/stainless steel pin

Specifications

Colour	Light Grey
Length	61mm (2.4in)
Width	30.5 mm (1.20 in)
Depth.....	24.6mm (0.97in)
Weight	8.8 g (0.31 oz)
Pullout force	6.29 kg (80 lb)

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (ROHS).



The Sensormatic InFuzion SuperTag combines top-of-the-range merchandise protection and ease of use into a secure, one-piece system. With proven high-performance AM technology, this defeat-resistant tag is designed to provide operational savings while freeing assistants to spend more time assisting customers.

InFuzion features an integrated pin that reduces the application process from two steps to one. This allows retailers to spend less time tagging in store and to easily remove the tag at the point of sale in order to achieve significant labour savings and improve front-end checkout efficiencies. Plus, the integrated pin helps to eliminate the cost of replacing lost or broken pins.

Retailer Values

- Reduces the time and labour required to apply and remove tags in comparison with traditional two-piece tags
- One-piece design helps to eliminate the need to sort and store pins separately
- Speeds up the front-end checkout process with easy tag removal at the point of sale

Suggested Solution Application

Clothing, denim, outerwear, sportswear

Product Codes

AM Technology
ZLAMT6200-G: Grey

Product Compatibility

- SuperTag Detacher
- SuperTag Manual Hand-held

Detacher Type

SuperTag

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 66°C (150°F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 66°C (150°F), up to 96 hours.

Specifications

Colour.....Grey, Light Grey
Length 61.2mm (2.41 in)
Width 30 mm (1.22 in)
Depth open..... 44.5 mm (1.75 in)
Depth latched..... 31.7 mm (1.25 in)
Weight..... 13.9 g (0.49 oz)



CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (ROHS).



SuperTag 4 is the latest innovation in the SuperTag portfolio, providing our highest level of anti-theft protection to date. Its remarkable design offers increased security to help further reduce shrink in high-value brands and merchandise categories.

SuperTag 4 features new, patented technology that helps to improve defeat resistance in comparison with earlier generations of SuperTag. These tags are especially effective when attached to items that are targeted by Organised Retail Crime (ORC), helping retailers to reduce shrink and maximise sales with improved on-shelf availability.

SuperTag 4 is complemented by its own line of detachers. This secure system ensures that the hard tags can only be unlocked by these unique detachers, which are backwards compatible with previous generations of SuperTag. SuperTag 4 power detachers can also be integrated with Sensormatic's Shrink Management as a Service analytics platform.

The SMaaS platform provides insights into the quantity of detachments and time of day. This important data can help retailers to spot possible internal theft activity and to know if detachers are being used outside normal store operating hours; it can also identify employee training gaps.

SuperTag 4 is also available in an AM/RFID format, offering both asset protection and stock visibility in one hard tag. The AM/RFID SuperTag 4 offers a future-ready path for retailers who are keen to advance to RFID stock management solutions.

The AM/RFID version can be used to enable self-checkout applications by making sure that detaching only occurs after a valid purchase.

Retailer Values

- Designed with additional security to help reduce shrink and increase profitability
- Offers ideal protection for high-value merchandise categories and brands
- Using the AM/RFID version offers excellent product protection and item-level visibility which can be leveraged for future RFID investments
- Helps to deliver a more user-friendly, frictionless shopper experience in self-checkout using RFID
- Provides insights into possible internal theft activity and can also identify employee training gaps when integrated with the SMaaS analytics platform

Solution Application

High-value clothing and brands

Product Codes

Tag: ZLST4-G

Tack: MJ200-G Detachers

Product Compatibility

SMaaS

SuperTag 4 Power Detacher

SuperTag 4 Manual Hand-held Detacher

AM/RFID SuperTag 4 Detacher

Detacher Type

SuperTag

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 60°C (140°F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 60°C (140°F), up to 96 hours.

Construction Materials

Tag Housing

High-impact ABS

Label Housing

Low-density polyethylene/polyester/polyethylene 0.127 mm (0.0050 in)

Specifications

Colour	Light Grey
Length	61.2mm (2.41 in)
Width	30 mm (1.22 in)
Depth open.....	44.5 mm (1.75 in)
Depth latched.....	31.7 mm (1.25 in)
Weight	13.9 g (0.49 oz)

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



This SuperTag provides top-of-the-range theft protection for everything from heavy outerwear to delicate intimate garments. The sleek shape provides a strong visual deterrent without detracting from high-end merchandise, letting retailers open-merchandise with confidence.

Retailer Values

- SuperTag, the gold standard in asset protection, features a patented clamp design for superior defeat resistance
- Sleek, aesthetic design helps to minimise impact on merchandise displayed
- Promotes open merchandising for increased sales

Solution Application

Clothing, general merchandise

Product Codes

- Tag (Black): ZL303-B
Tack (Black): MJ200-B
- Tag (Grey): ZL303-G
Tack (Grey): MJ200-G

Product Compatibility

- MJ200L-W: Long Tack
- MJVT-2: Versa Tack
- MXSTL: Lanyard – 21 cm (8.27 in)
- MXGL: Lanyard – 19 cm (7.5 in)
- MJ200-G: Tack
- MJ200-B: Tack
- MJVT-3B: Versa Tack

Detachers

- SuperTag Detacher
- SuperTag Manual Hand-held Detacher

Detacher Type

SuperTag

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 60°C (140°F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 60°C (140°F), up to 96 hours.

Specifications

Colour	Grey, Black
Length	69.0mm (2.72in)
Width	30.5 mm (1.20 in)
Depth.....	18.8 mm (0.74 in)
Weight	9.7 g (0.32 oz)
Pullout force	63.50 kg (140 lb)



CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



This SuperTag provides top-of-the-range protection for high-risk items unable to be secured with a pin-style hard tag. The integrated lanyard cable contains a stainless steel pin for superior defeat resistance in a light, easy-to-use format. The sleek shape does not detract from high-end products yet provides a strong visual deterrent, letting retailers open-merchandise with confidence.

Retailer Values

- Allows application to a wider assortment of hard-to-tag, high-risk merchandise
- SuperTag, the gold standard in asset protection, features a patented clamp design for superior defeat resistance
- Sleek, aesthetic design helps to minimise impact on merchandise displayed

Solution Application

Shoes, handbags, backpacks, luxury clothing, sporting goods

Product Codes

- Tag (Grey): ZL303L-4G
- Tag (Black): ZL303L-4B

Product Compatibility

Detachers

- SuperTag Detacher
- SuperTag Manual Hand-held Detacher

Detacher Type

SuperTag

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 60°C (140°F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 60°C (140°F), up to 96 hours.

Specifications

Colour.....	Grey, Black
Length	69.0mm (2.72in)
Cable Length	10.1cm (4in)
Width	30.5 mm (1.20 in)
Depth.....	18.8 mm (0.74 in)
Weight	11.9 g (0.42 oz) (weight includes stack)
Pullout force	63.50 kg (140 lb)



CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



Add an extra level of security to your high-value, high-risk merchandise – anywhere in the store. The alarming 2-tone SuperTag provides top-of-the-range protection for everything from heavy outerwear to delicate intimate garments. Its sleek shape does not detract from high-end items, yet provides a strong visual deterrent. The alarming feature reduces the risk of theft when protected merchandise is out of staff's view. The tag will emit an audible alarm if defeat is attempted and will alarm the AM pedestal system if protected products pass through the detection zone. The tag alarm will stop once the battery is depleted or the tag is reset.

Retailer Values

- 2-tone alarming feature adds an extra layer of security to high-value, high-risk merchandise
- Supertag, the gold standard in asset protection, features a patented clamp design for superior defeat resistance
- Sleek, aesthetic design helps to minimise impact on merchandise displayed
- Backed by a multi-year battery life warranty to reduce operational and replacement costs

Solution Application

Electronics, leather, luxury goods, handbags, sporting goods, power tools

Product Codes

- Tag: ZLAMT-3100A2P
- Tack: MJ200-B

Product Compatibility

- MJ200L-W: Long Tack
- MJVT-2: Versa Tack
- MJVT-3B: Versa Tack
- MXSTL: Lanyard – 21 cm (8.27 in)
- MXGL: Lanyard – 19 cm (7.5 in)

Detachers

- SuperTag Detacher
- SuperTag Manual Hand-held Detacher

Detacher Type

SuperTag

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 66°C (150°F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 66°C (150°F), up to 96 hours.

Specifications

Colour	Black
Length	88mm (3.46in)
Width	31 mm (1.22 in)
Depth.....	21 mm (0.83 in)
Weight	22 g (0.77 oz)
Pullout force	63.50 kg (140 lb)

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



Add an extra level of security to hard-to-tag, high-value, high-risk merchandise – anywhere in the store. This alarming 2-tone SuperTag features an integrated lanyard cable with a stainless steel pin for superior defeat resistance in an easy-to-use format. It is ideal for protecting items unable to be secured with a pin-style tag including shoes, handbags, luggage, sporting goods and more. The sleek shape does not detract from high-end items, yet provides a strong visual deterrent. The alarming feature reduces the risk of theft when protected merchandise is out of staff's view. The tag will emit an audible alarm if defeat is attempted and will alarm the AM pedestal system if protected products pass through the detection zone. The tag alarm will stop once the battery is depleted or the tag is reset.

Retailer Values

- 2-tone alarming feature adds an extra layer of security to hard-to-tag, high-value, high-risk merchandise
- SuperTag, the gold standard in asset protection, features a patented clamp design for superior defeat resistance
- Sleek, aesthetic design helps to minimise impact on merchandise displayed
- Promotes open merchandising for increased sales
- Backed by a multi-year battery life warranty to reduce operational and replacement costs

Solution Application

Electronics, footwear, leather, luggage, luxury goods, handbags, sporting goods, power tools

Product Codes

- ZLAMT-3100A2L (15 cm)
- ZLAMT-3100A2L15 (152 cm)

Product Compatibility

Detachers

- SuperTag Detacher
- SuperTag Manual Hand-held Detacher

Detacher Type

SuperTag Detacher

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 66°C (150°F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 66°C (150°F), up to 96 hours.

Specifications

Colour	Black
Length	88mm (3.46in)
Cable Length	15cm (6in) 152 cm (60 in)
Width	31 mm (1.22 in)
Depth	24 mm (0.94 in)
Weight	15 cm: 24.9 g (0.88 oz) 152 cm: 39.6 g (1.4 oz)
Pullout force	63.50 kg (140 lb)



CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



Get the highest level of security for high-value, high-risk merchandise – anywhere in the store. This alarming 3-tone SuperTag provides the trusted protection of Sensormatic SuperTags with additional audible alarms. The alarming feature reduces the risk of theft when protected merchandise is out of staff's view. The tag will emit an audible alarm if defeat is attempted and alarm the AM pedestal system if protected products pass through the detection zone. For additional security, the tag itself will also alarm if removed from the store. The tag alarm will stop once the battery is depleted or the tag is reset.

Retailer Values

- 3-tone alarming feature provides the highest level of security for high-value, high-risk merchandise
- SuperTag, the gold standard in asset protection, features a patented clamp design for superior defeat resistance
- Sleek, aesthetic design helps to minimise impact on merchandise displayed
- Backed by a multi-year battery life warranty to reduce operational and replacement costs

Solution Application

Electronics, leather, luxury goods, handbags, sporting goods, power tools

Product Codes

- Tag: ZLAMT-3100A3P
- Tack: MJ200-B

Product Compatibility

- MXVT15: Versa Tie
- MJ200L-W: Long Tack
- MJVT-2: Versa Tack
- MJVT-3B: Versa Tack
- MXVT15: Versatie
- MXSTL: Lanyard – 21 cm (8.27 in)
- MXGL: Lanyard – 19 cm (7.5 in)

Detachers

- SuperTag Detacher
- SuperTag Manual Hand-held Detacher

Detacher Type

SuperTag

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 66°C (150°F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 66°C (150°F), up to 96 hours.

Specifications

Colour	Black
Length	88mm (3.46in)
Width	31 mm (1.22 in)
Depth.....	21 mm (0.83 in)
Weight	22.1 g (0.78 oz)
Pullout force	63.50 kg (140 lb)

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



Get the highest level of security for hard-to-tag high-value, high-risk merchandise – anywhere in the store. This alarming 3-tone lanyard SuperTag features an integrated lanyard cable with a stainless steel pin for superior defeat resistance in an easy-to-use format.

It is ideal for protecting items unable to be secured with a pin-style tag including shoes, handbags, luggage, sporting goods and more. The sleek shape does not detract from high-end items, yet provides a strong visual deterrent. The alarming feature reduces the risk of theft when protected merchandise is out of staff's view. The tag will emit an audible alarm if defeat is attempted and will alarm the AM pedestal system if protected products pass through the detection zone.

For additional security, the tag itself will also alarm if removed from the store. The tag alarm will stop once the battery is depleted or the tag is reset.

Retailer Values

- The 3-tone alarming feature provides the highest level of security for hard-to-tag, high-value, high-risk merchandise
- SuperTag, the gold standard in asset protection, features a patented clamp design for superior defeat resistance
- Sleek, aesthetic design helps to minimise impact on merchandise displayed
- Promotes open merchandising for increased sales
- Backed by a multi-year battery life warranty to reduce operational and replacement costs

Solution Application

Electronics, footwear, leather, luggage, luxury goods, handbags, sporting goods, power tools

Product Codes

- ZLAMT-3100A3L (15 cm)
- ZLAMT-3100A3L15 (152 cm)

Product Compatibility

Detachers

- SuperTag Detacher
- SuperTag Manual Hand-held Detacher

Detacher Type

SuperTag

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 66°C (150°F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 66°C (150°F), up to 96 hours.

Specifications

Colour	Black
Length	88mm (3.46in)
Cable Length	15cm (6in) 152 cm (60 in)
Width	31 mm (1.22 in)
Depth.....	24 mm (0.94 in)
Weight	15 cm: 26 (0.92 oz) 152 cm: 40.7 g (1.44 oz)
Pullout force	63.50 kg (140 lb)

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



The Deactivatable SuperTag VST-R is a Sensormatic visible source tag that is part of a low-cost-per-use recirculation programme. This hard tag is applied to soft goods at the point of manufacture to help reduce operational costs and eliminate in-store tagging labour. This tag also features a robust locking mechanism with 80 lb of pullout force.

Retailer Values

- SuperTag, the gold standard in asset protection, features a patented clamp design for superior defeat resistance
- Merchandise arrives sales floor-ready for immediate product availability
- Reduces lost sales and eliminates labour costs associated with in-store tagging, allowing store assistants to better serve customers
- Improves tagging compliance with tagging at the point of manufacture
- Substantiates/endorses green initiatives by reducing waste through recycling used tags for reapplication

Solution Application

Clothing, general merchandise

Product Codes

- Tag: ZLAMT7200R-B
- Metal Tack: MJ70-H

Product Compatibility

Detachers

- SuperTag Detacher
- SuperTag Manual Hand-held Detacher

Detacher Type

SuperTag

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 60°C (140°F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 60°C (140°F), up to 96 hours.

Construction Materials

Tag Housing

High-impact ABS

Label Housing

Low-density polyethylene/polyester/polyethylene 0.127 mm (0.0050 in)

Tack

ABS tack head/stainless steel pin

Specifications

Colour	Charcoal
Length	62mm (2.44in)
Width	31 mm (1.22 in)
Depth.....	19 mm (0.75 in)
Weight with tack	8.67 g (0.306 oz)
Pullout force	36.29 kg (80 lb)

Order multiple

Tag	1,000
Tack.....	1,000

Carton Weight

Tag	7.5 kg (16.5 lb)
Tack.....	1.17 kg (2.57 lb)

Ext. Carton Dims.

Tag	368 x 368 x 268 mm (14.5 x 14.5 x 10.6 in)
Tack.....	140 x 75 x 75 mm (5.5 x 3 x 3 in)

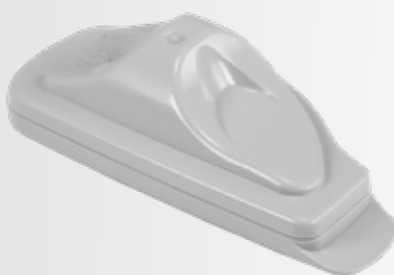
Ext. Carton Vol

Tag	0.0363 m3 (1.28 ft3)
Tack.....	0.0008 m3 (0.028 ft3)

Cartons per pallet

Tag	42
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CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



The Non-Deactivatable SuperTag VST-R is a Sensormatic visible source tag that is part of a low-cost-per-use recirculation programme. This hard tag is applied to soft goods at the point of manufacture to help reduce operational costs and eliminate in-store tagging labour. This tag also features a robust locking mechanism with 80 lb of pullout force.

Retailer Values

- Merchandise arrives sales floor-ready for immediate product availability
- Reduces lost sales and eliminates labour costs associated with in-store tagging, allowing store assistants to better serve customers
- Improves tagging compliance with tagging at the point of manufacture
- Substantiates/endorses green initiatives by reducing waste through recycling used tags for reapplication

Solution Application

Clothing, general merchandise

Product Codes

- Tag: ZLAMT7100R-G,
- Metal Tack: MJ70-H

Product Compatibility

Detachers

- SuperTag Detacher
- SuperTag Manual Hand-held Detacher

Detacher Type

SuperTag

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 60°C (140°F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 60°C (140°F), up to 96 hours.

Construction Materials

Tag Housing

High-impact ABS

Label Housing

Low-density polyethylene/polyester/polyethylene 0.127 mm (0.0050 in)

Tack

ABS tack head/stainless steel pin

Specifications

Colour	Grey
Length	62mm (2.44in)
Width	31 mm (1.22 in)
Depth.....	19 mm (0.75 in)
Weight with tack	8.67 g (0.306 oz)
Pullout force	36.29 kg (80 lb)

Order multiple

Tag	1,000
Tack	1,000

Carton Weight

Tag	7.5 kg (16.5 lb)
Tack	1.17 kg (2.57 lb)

Ext. Carton Dims

Tag	368 x 368 x 268 mm (14.5 x 14.5 x 10.6 in)
Tack	140 x 75 x 75 mm (5.5 x 3 x 3 in)

Ext. Carton Vol

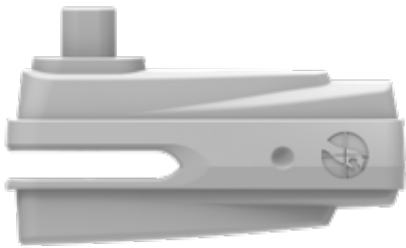
Tag	0.0363 m3 (1.28 ft3)
Tack	0.0008 m3 (0.028 ft3)

Cartons per pallet

Tag	42
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CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).

InFuzion II Magnetic Tag



The Sensormatic InFuzion II Magnetic Tag builds upon the original industry leading secure one-piece system by reinforcing the robust design while simultaneously preserving the ease of use and rapid application/removal. With the improved defeat-resistant design, the security and durability make it the superior merchandise protection choice providing operational savings while freeing associates to spend more time assisting customers.

The InFuzion II Magnetic tag features an integrated pin that streamlines the application process from two steps to one. This allows retailers to spend less time tagging in store and to easily remove the tag at the point of sale in order to achieve significant labour savings and improve front-end checkout efficiencies. Plus, the integrated pin design helps to eliminate the cost of replacing lost or broken pins. Available in either AM or RF technology, this unobtrusive, visible deterrent is equipped with a delicate pin that safely protects clothing and fine garments.

Retailer Values

- Enhanced industry leading defeat-resistant design and innovation help reduce shrink
- Provides significant operational savings by reducing the time required to apply and remove tags in the store
- Improves safety, since there are no pins to lose or handle
- Sleek one-piece design helps to eliminate the need to store and sort pins and tags separately
- Speeds up front-end checkout with easy tag removal at the point of sale

Suggested Solution Application

Clothing, delicates, denim, outerwear, sportswear, swimwear

Product Codes

AM Technology

ZLAMT8225-2: Grey (5 kG)

ZLAMT8229-2: Grey (9 kG)

RF technology

RFT8225-2: Red (5 kG)

RFT8229-2: Red (9 kG)

Product Compatibility

Detachers

- Magnetic 9 kG Detachers
- Magnetic 5 kG Detacher
- Magnetic 9 kG Mobile Detacher
- Universal 9 kG Magnetic Detacher
- Universal 5 kG Magnetic Detacher

Detacher Type

Magnetic

Environmental Constraints

Temperature

Storage temperature range:
-30°C to 60°C (-22°F to 140°F)

Operating temperature:
-10°C to 50°C (14°F to 122°F)

Humidity

85% at 30°C (86°F)

Specifications

Colour

Grey AM technology
Red RF technology

Length 51mm (2.0in)
Width 17.5 mm (0.696 in)
Depth 23.8 mm (0.937 in)

Weight

AM technology 8.8 g (0.310 oz)
RF technology 10.8 g (0.381 oz)

Lock magnetic strength 5 kG, 9 kG

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).

InFuzion Magnetic Wide Gap Tag



The Sensormatic InFuzion Wide Gap Tag combines ease of use and merchandise protection in a secure one-piece system. This tag is designed to provide operational savings while freeing assistants to spend more time serving customers.

The InFuzion Magnetic Wide Gap Tag protects merchandise made using thick fabrics, such as denim, outerwear and footwear. It features an integrated pin that streamlines the application process from two steps to one. This allows retailers to spend less time tagging in store and to easily remove the tag at the point of sale in order to achieve significant labour savings and improve front-end checkout efficiencies. Plus, the integrated pin design helps to eliminate the cost of replacing lost or broken pins. This unobtrusive, visible deterrent is equipped with a delicate pin that safely protects merchandise.

Retailer Values

- Protects merchandise made using thick fabrics, such as denim, outerwear and footwear
- Reduces the time and labour required to apply and remove tags in comparison with traditional two-piece tags
- Improves safety, since there are no pins to lose or handle
- Sleek one-piece design helps to eliminate the need to store and sort pins and tags separately
- Speeds up front-end checkout with easy tag removal at the point of sale

Suggested Solution Application

Clothing, footwear, denim, outerwear, sportswear

Product Codes

AM Technology

ZLAMT8225W: Grey (5 kG)

ZLAMT8229W: Grey (9 kG)

RF technology

RFT8225W: Red (5 kG)

RFT8229W: Red (9 kG)

Product Compatibility

Detachers

- Magnetic 5 kG Detacher
- Magnetic 9 kG Detachers
- Universal 5 kG Magnetic Detacher
- Universal 9 kG Magnetic Detacher
- Magnetic 9 kG Mobile Detacher

Detacher Type

Magnetic

Environmental Constraints

Temperature

Storage temperature range:
-30°C to 60°C (-22°F to 140°F)

Operating temperature:
-10°C to 50°C (14°F to 122°F)

Humidity

85% at 30°C (86°F)

Specifications

Colour

Grey AM technology
Red RF technology

Length 61mm (2.40in)
Width 30.5 mm (1.20 in)
Depth 38 mm (1.49 in)

Weight

AM Technology
5 kG & 9 kG 12 g (0.42 oz)
RF technology
5 kG & 9 kG 14.5 g (0.51 oz)

Lock magnetic strength 5 kG, 9 kG

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).

InFuzion Magnetic Ink Tag



The Sensormatic InFuzion Magnetic Ink tag contains a sealed vial of dye, so that if the tag is tampered with or forcibly removed, the ink vial will break and release indelible ink onto the garment. This permanently damages the merchandise and denies the would-be shoplifter any benefit for their efforts.

Using either acousto-magnetic (AM) or radio frequency (RF) technology, the InFuzion Magnetic Ink tag combines ease of use and merchandise protection in a secure one-piece system. This tag is designed to provide operational savings while freeing assistants to spend more time serving customers.

The InFuzion Magnetic Ink tag features an integrated pin that streamlines the application process from two steps to one. This allows retailers to spend less time tagging in store and to easily remove the tag at the point of sale in order to achieve significant labour savings and improve front-end checkout efficiencies. Plus, the integrated pin design helps to eliminate the cost of replacing lost or broken pins. This unobtrusive, visible deterrent is equipped with a delicate pin that safely protects merchandise.

Retailer Values

- Visible ink vials for maximum theft deterrence
- Compatible with both AM and RF pedestal systems
- Reduces the time and labour required to apply and remove tags in comparison with traditional two-piece tags

- Improves safety, since there are no pins to lose or handle
- Sleek one-piece design helps to eliminate the need to store and sort pins and tags separately
- Speeds up front-end checkout with easy tag removal at the point of sale

Suggested Solution Application

General merchandise, clothing, denim, outerwear, sportswear, backpacks

Product Codes

AM Technology

ZLAMT8225-I: Grey with red vial (5 kG)

ZLAMT8229-I: Grey with red vial (9 kG)

RF technology

RFT8225-I: Red with yellow vial (5 kG)

RFT8229-I: Red with yellow vial (9 kG)

Product Compatibility

Magnetic 9 kG Detachers

Magnetic 5 kG Detacher

Universal 9 kG Magnetic Detacher

Universal 5 kG Magnetic Detacher

Magnetic 9 kG Mobile Detacher

Detacher Type

Magnetic

Environmental Constraints

Temperature

Storage temperature range:
-30°C to 60°C (-22°F to 140°F)

Operating temperature:
-10°C to 50°C (14°F to 122°F)

Humidity

85% at 30°C (86°F)

Specifications

Colour

Grey AM technology

Red RF technology

Length 51mm (2.0in)

Width 17.5 mm (0.696 in)

Depth 23.8 mm (0.937 in)

Weight

AM Technology

5 kG & 9 kG 10.9 g (0.385 oz)

RF technology

5 kG & 9 kG 12.7 g (0.448 oz)

Lock magnetic strength 5 kG, 9 kG

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



The Magnetic VST-R is a visible source tag that is part of a low cost-per-use recirculation programme. This hard tag is applied to soft goods at the point of manufacture to help reduce operational costs and eliminate in-store tagging labour. This multi-use tag also features a robust locking mechanism with 106 lb of pullout force.

Retailer Values

- Merchandise arrives sales floor-ready for immediate product availability
- Reduces lost sales and eliminates labour costs associated with in-store tagging, allowing store assistants to better serve customers
- Improves tagging compliance with tagging at the point of manufacture
- Easy application and removal to help improve store operations
- Fulfils green initiatives by reducing waste through recycling used tags for reapplication

Solution Application

Clothing, general merchandise

Product Codes

- New Tag: ZLAMT7400
- New Tack: MJ7400 (Grey)
- Re-circulated Tag: ZLAMT7400R
- Re-circulated Tack: MJ7400R (Grey)

Product Compatibility

Detachers

- Magnetic 9 kG Detachers
- Magnetic 5 kG Detacher
- Magnetic 9 kG Mobile Detacher
- Universal 9 kG Magnetic Detacher
- Universal 5 kG Magnetic Detacher

Detacher Type

Magnetic

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 60°C (140° F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 60°C (140°F), up to 96 hours.

Construction Materials

Tag Housing

High-impact ABS

Tack

Nylon/stainless steel pin

Specifications

Colour Grey
Length 56mm (2.2in)
Width 16 mm (0.65 in)
Depth 18 mm (0.71 in)

Weight

Tag 7.12 g (0.251 oz)
Tack 0.57 g (0.020 oz)
Pullout force 45.36 kg (100 lb)
Lock magnetic strength 5 kG

Order multiple

Tag 1,000
Tack 1,000

Carton Weight

Tag 7.8 kg (17.16 lb)
Tack 0.68 kg (1.50 lb)

Ext. Carton Dims

Tag 370 x 370 x 155 mm
(14.56 x 14.56 x 6.1 in)
Tack 175 x 110 x 100 mm
(6.09 x 4.3 x 3.94 in)

Ext. Carton Vol.

Tag 0.0212 m3 (0.75 ft3)
Tack 0.0019 m3 (0.068 ft3)

Cartons per pallet

Tag Atlanta DC: no pallet

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



This optical tag offers maximum protection for eyewear without impacting the shopper experience. The tag is placed on the side arm of eyewear with the tag body on the outside, allowing customers to try on glasses without interference. Available in both AM and RF technology.

Retailer Values

- Protects eyewear without impacting the shopper 'trying-on' experience
- Small footprint minimises impact on displayed merchandise
- Promotes open merchandising for increased sales
- Maximum security for high-theft eyewear

Solution Application

Optical, sunglasses, sporting goods

Product Codes

AM Technology

- ZLAMT6008-9 (9 kG, Black)
- ZLAMT6008W-5 (5 kG, White)

RF technology

RFT6008-9 (9 kG, Black)

Product Compatibility

Detachers

- Magnetic 9 kG Detachers
- Magnetic 5 kG Detacher
- Magnetic 9 kG Mobile Detacher
- Universal 9 kG Magnetic Detacher
- Universal 5 kG Magnetic Detacher

Detacher Type

Magnetic

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 60°C (140°F) for 96 hours at 80% RH.

Humidity

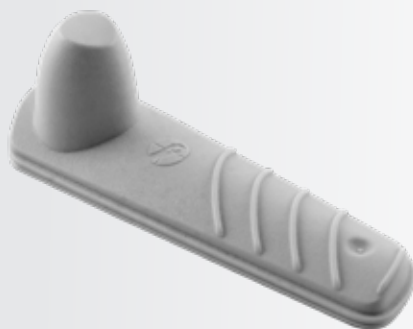
Unaffected by 80% humidity at 60°C (140°F), up to 96 hours

Specifications

Colour White, Black
Length 50mm (1.97in)
Width 25 mm (0.98 in)
Depth..... 20 mm (0.79 in)
Weight 8.5 g (0.30 oz)
Pullout force >45 kg (99 lb)
Lock magnetic strength 5 kG, 9 kG



CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



This hard tag provides application versatility for garments and most soft goods. Highly resistant to theft, this tag withstands slamming, crushing, bending and pulling defeat efforts. It is compatible with the Sensor-Ink Mini tag.

Product Features

- A versatile solution for garments and soft goods
- Tag is resistant to slamming, crushing, bending and pulling defeat efforts
- Promotes open merchandising for increased sales

Solution Application

Speciality clothing, general merchandise, sporting goods, DIY

Product Code

ZLAMT42-G

Product Compatibility

- MJAMT3200-G
- MJAMT3200-S
- MJAMT3200-B

Detachers

- Magnetic 5 kG Detachers
- Universal 5 kG Magnetic Detacher

Detacher Type

Magnetic

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 60°C (140°F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 60°C (140°F), up to 96 hours.

Specifications

Colour	Grey
Length	60.54mm (2.38in)
Width	18.84 mm (0.74 in)
Depth.....	20.49 mm (0.81 in)
Weight	6.4 g (0.23 oz)
Pullout force	>45.4 kg (100 lb)
Lock magnetic strength	5 kG



CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



This non-deactivatable hard tag features a sleek, lightweight design to minimise theft while preserving aesthetics. The small footprint and four-inch cable allows attachment to a wide variety of merchandise. With proven high-performance AM technology, this defeat-resistant tag is compatible with the Sensormatic suite of detachers.

Retailer Values

- Small footprint and cable allow secure attachment to a wide variety of merchandise
- Promotes open merchandising for increased sales

Solution Application

Belts, shoes, handbags, watches, etc.

Product Codes

ZLAMT3200PL-G (Plastic Lanyard; 155 mm)

Product Compatibility

Detachers

- Magnetic 5 kG Detacher
- Universal 5 kG Magnetic Detacher

Detacher Type

Magnetic

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 60°C (140° F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 60°C (140°F), up to 96 hours.

Specifications

Colour	Grey
Length	59.7mm (2.3in)
Cable Length	100mm (4in)
Width	19.5 mm (0.76 in)
Depth.....	17.3 mm (0.68 in)
Weight	6.4 g (0.23 oz)
Pullout force	45.4 kg (100 lb)
Lock magnetic strength	5 kG



CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



This hard tag is designed to protect everything from heavy denim to the lightest intimate clothing. The high-strength magnetic clamp prevents removal by would-be shoplifters using common magnets. The highly aesthetic design minimises impact to merchandise on display.

Retailer Values

- Multi-purpose tag protects several merchandise categories
- High magnetic strength for superior protection
- Promotes open merchandising for increased sales

Solution Application

Clothing, delicates, accessories

Product Codes

- Tag: ZL400A-G (Grey)
- Tag: ZL400A-B (Black)
- Tack: MJ400-G (Grey)
- Tack: MJ400-B (Black)

Product Compatibility

Detachers

- Magnetic 9 kG Detachers
- Universal 9 kG Magnetic Detacher
- Magnetic 9 kG Mobile Detacher

Detacher Type

Magnetic

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 60°C (140° F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 60°C (140°F), up to 96 hours.

Specifications

Colour	Grey, Black
Length	60.8mm (2.4in)
Width	21.47 mm (0.85 in)
Depth.....	18 mm (0.71 in)
Weight	5.4 g (0.19 oz)
Pullout force	63.50 kg (140 lb)
Lock magnetic strength	9 kG



CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



This one-piece hard tag has a four-inch multi-strand stainless steel cable to protect high-theft footwear, handbags and high-end clothing. The flexible lanyard cable combined with a sleek, discreet look makes this tag a reliable solution for merchandise of all shapes and sizes.

Retailer Values

- Flexible lanyard attaches to merchandise of all shapes and sizes
- High magnetic strength for superior protection
- Protects several merchandise categories
- Promotes open merchandising for increased sales

Solution Application

Shoes, handbags, belts, clothing

Product Codes

ZL400AL-4G ZL400AL-4B

Product Compatibility

Detachers

- Magnetic 9 kG Detachers
- Universal 9 kG Magnetic Detacher
- Magnetic 9 kG Mobile Detacher

Detacher Type

Magnetic

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 60°C (140° F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 60°C (140°F), up to 96 hours.

Specifications

Colour Grey, Black
 Length 60.8mm (2.4in)
 Cable Length 100mm (4in)
 Width 21.47 mm (0.85 in)
 Depth 18 mm (0.71 in)
 Weight 7 g (0.24 oz)
 Pullout force 63.5 kg (140 lb)
 Lock magnetic strength 9 kG



CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



This multi-purpose hard tag secures products ranging from bottled wines and spirits to sporting goods and clothing. Featuring a multi-strand steel cable and nylon clamp, this versatile solution provides superior protection while minimising impact on product merchandising.

Retailer Values

- Multi-purpose tag secures hard goods, soft goods and everything in between
- High magnetic strength for superior protection
- Promotes open merchandising for increased sales

Solution Application

Bottled wines, spirits, sporting goods, luggage, power tools

Product Codes

ZL410B-G

Product Compatibility

Detachers

- Magnetic 9 kG Detachers
- Universal 9 kG Magnetic Detacher
- Magnetic 9 kG Mobile Detacher

Detacher Type

Magnetic

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 60°C (140° F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 60°C (140°F), up to 96 hours.

Specifications

Colour.....	Grey
Length	54mm (2.1in)
Width	13 mm (0.51 in)
Weight.....	9 g (0.31 oz)
Pullout force	40.82 kg (90 lb)
Lock magnetic strength	9 kG



CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



The Magnetic AM/RF 2-Tone Alarming Lanyard Tag provides audible anti-theft protection for merchandise that cannot be protected with a pin-style tag. The integrated lanyard cable with a stainless steel pin provides superior defeat resistance for items such as shoes, handbags, luggage and sporting goods. Its small size does not detract from high-end items, yet provides a strong visual deterrent.

The alarming feature reduces the risk of theft when protected merchandise is out of staff's view. Containing both an AM non-deactivatable label and RF ferrite technology, the tag will emit an audible alarm if defeat is attempted and will alarm any EAS pedestal system if the protected product passes through the detection zone. The tag alarm will stop once the battery is depleted or the tag is reset.

Retailer Values

- 2-tone alarming feature provides a high level of security for high-risk merchandise

- Small footprint does not interfere with the shopper experience
- Integrated lanyard allows application to items that cannot be protected with pin-style tags
- Promotes open merchandising for increased sales

Solution Application

Outerwear, suits, denim, leather goods, footwear, accessories, handbags

Product Codes

AM & RF Technology
ZLAMRF2TL (10.16 cm)

Product Compatibility

Detachers

- Magnetic 9 kG Detachers
- Magnetic 5 kG Detacher
- Universal 9 kG Magnetic Detacher
- Universal 5 kG Magnetic Detacher
- Magnetic 9 kG Mobile Detacher

Detacher Type

Magnetic

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 66°C (150°F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 66°C (150°F), up to 96 hours.

Specifications

Colour	Black
Length	65mm (2.56in)
Cable Length	10.16cm (4in)
Width	33.2 mm (1.3 in)
Depth.....	18.2 mm (0.72 in)
Weight	23.58 g (0.832 oz)
Pullout force	>36.28 kg (80 lb)
Lock magnetic strength	5 kG



CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



The 2-Tone Mini Alarming Tag provides audible anti-theft protection for merchandise that cannot be protected with a pin-style tag. The integrated lanyard cable with a stainless steel pin provides superior defeat resistance for items such as shoes, handbags, luggage and sporting goods. Its small size does not detract from high-end items, yet provides a strong visual deterrent. The alarming feature reduces the risk of theft when protected merchandise is out of staff's view. Available with AM or RF technology, the tag will emit an audible alarm if defeat is attempted and will alarm the AM or RF pedestal system if a protected product passes through the detection zone. The tag alarm will stop once the battery is depleted or the tag is reset.

Retailer Values

- 2-tone alarming feature provides a high level of security for high-risk merchandise
- Small footprint does not interfere with the shopper experience
- Integrated lanyard allows application to items that cannot be protected with pin-style tags
- Promotes open merchandising for increased sales
- Battery life warranty reduces operational and replacement costs

Solution Application

Outerwear, suits, denim, leather goods, footwear, accessories, handbags

Product Codes

AM Technology

- ZLAMT2TL (10.16 cm)
- ZLAMT2TL12 (120 cm)
- ZLAMT2TL15 (150 cm)

RF technology

- RFT2TL (10.16 cm)

Product Compatibility

Detachers

- Magnetic 9 kG Detachers
- Magnetic 5 kG Detacher
- Universal 9 kG Magnetic Detacher
- Universal 5 kG Magnetic Detacher
- Magnetic 9 kG Mobile Detacher

Detacher Type

Magnetic

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 66°C (150°F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 66°C (150°F), up to 96 hours.

Specifications

Colour	Black
Length	65mm (2.56in)
Cable Length	10.16cm (4in)
	120 cm (47.24 in)
	150 cm (60 in)
Width	33.2 mm (1.3 in)
Depth.....	18.2 mm (0.72 in)
Weight	30.39 g (1.07 oz)
Pullout force	>36.28 kg (80 lb)
Lock magnetic strength	5 kG



CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



The 3-Tone Mini Alarming Lanyard provides audible anti-theft protection for merchandise that cannot be protected with a pin-style tag. The integrated lanyard cable with a stainless steel pin provides superior defeat resistance for items such as shoes, handbags, luggage and sporting goods. Its small size does not detract from high-end items, yet provides a strong visual deterrent. The alarming feature reduces the risk of theft when protected merchandise is out of staff's view. The tag will emit an audible alarm if defeat is attempted and will alarm the AM pedestal system if protected products pass through the detection zone. For additional security, the tag itself will alarm if removed from the store. The tag alarm will stop once the battery is depleted or the tag is reset.

Retailer Values

- 3-tone alarming feature provides the highest level of security for high-risk merchandise
- Small footprint does not interfere with the shopper experience
- Integrated lanyard allows application to items that cannot be protected with pin-style tags
- Promotes open merchandising for increased sales
- Battery life warranty reduces operational and replacement costs

Solution Application

Outerwear, suits, denim, leather goods, footwear, accessories, handbags

Product Codes

AM Technology

- ZLAMT3TL (10.16 cm)
- ZLAMT3TL12 (120 cm)
- ZLAMT3TL15 (150 cm)

Product Compatibility

Detachers

- Magnetic 9 kG Detachers
- Magnetic 5 kG Detacher
- Universal 9 kG Magnetic Detacher
- Universal 5 kG Magnetic Detacher
- Magnetic 9 kG Mobile Detacher

Detacher Type

Magnetic

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 66°C (150°F) for 96 hours at 80% RH.

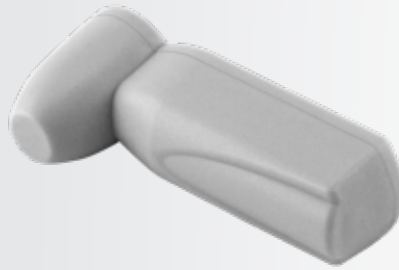
Humidity

Unaffected by 80% humidity at 66°C (150°F), up to 96 hours.

Specifications

Colour	Black
Length	65mm (2.56in)
Cable Length	10.16cm (4in) 120 cm (47.24 in) 150 cm (60 in)
Width	33.2 mm (1.3 in)
Depth.....	18.2 mm (0.72 in)
Weight	30.39 g (1.07 oz)
Pullout force	>36.28 kg (80 lb)
Lock magnetic strength	5 kG

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



This Magnetic Pencil hard tag protects everything from heavy denim to delicate intimate clothing. Featuring a modern, defeat-resistant design and easy application/removal at the point of sale, this ferrite hard tag is ideal for protecting a wide variety of merchandise. This unobtrusive visible deterrent is a desirable addition to any existing AM, EAS or RF system.

Retailer Values

- Small aesthetic design minimises impact to merchandise on display
- Promotes open merchandising for increased sales

Solution Application

Clothing, delicates/intimates, outerwear, denim, sportswear

Product Codes

AM/Ferrite Technology

- ZLAMT6016-5 (5 kG, Grey) – with Tack
- ZLAMT6016-9 (9 kG, Grey) – with Tack
- ZLAMT6016B-5 (5 kG, Black) – with Tack
- ZLAMT6016B-9 (9 kG, Black) – with Tack

Replenishment Tack

MJ6016 – Grey version only

Product Compatibility

Detachers

- Magnetic 9 kG Detachers
- Magnetic 5 kG Detacher
- Universal 9 kG Magnetic Detacher
- Universal 5 kG Magnetic Detacher
- Magnetic 9 kG Mobile Detacher

Detacher Type

Magnetic

Environmental Constraints

Temperature

Storage temperature range: 0-40°C (32-104°F)

Humidity

Unaffected by 20-85% humidity

Specifications

Colour	Grey
Length	45mm (1.77in)
Width	19 mm (0.748 in)
Depth.....	12 mm (0.472 in)
Weight	7.5 g (0.264 oz)
Pullout force	≥ 45 kg (99.2 lb)
Lock magnetic strength	5 kG, 9 kG



CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



This hard tag protects everything from accessories to sportswear. It features a modern, defeat-resistant design and is easily applied and removed at the point of sale. The integrated lanyard allows application to a wide variety of hard-to-tag merchandise. This ferrite tag is an unobtrusive yet visible deterrent and a desirable addition to any existing AM, EAS or RF system.

Retailer Values

- Small, aesthetic design minimises impact to merchandise on display
- Integrated lanyard allows application to items that cannot be protected with pin-style tags
- Promotes open merchandising for increased sales

Solution Application

Accessories, footwear, handbags, hats, luggage, belts, watches, sportswear

Product Codes

AM/Ferrite Technology

- ZLAMT6016L-5 (5 kG, Grey)
- ZLAMT6016L-9 (9 kG, Grey)
- ZLAMT6016LB-5 (5 kG, Black)
- ZLAMT6016LB-9 (9 kG, Black)

RF technology

- RFT6016L-5 (5 kG)

Product Compatibility

Detachers

- Magnetic 9 kG Detachers
- Magnetic 5 kG Detacher
- Universal 9 kG Magnetic Detacher
- Universal 5 kG Magnetic Detacher
- Magnetic 9 kG Mobile Detacher

Detacher Type

Magnetic

Environmental Constraints

Temperature

Storage temperature range: 0-40°C (32-104°F).

Humidity

Unaffected by 20-85% humidity.

Specifications

Colour Grey, Black
Length 45mm (1.77in)
Width 19 mm (0.748 in)
Depth..... 12 mm (0.472 in)
Weight 9 g (0.32 oz)
Pullout force ≥ 45 kg (99.2 lb)
Lock magnetic strength 5 kG, 9 kG



CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



The Bottle Cap Tag provides maximum anti-theft protection for wine and spirits. This innovative hard tag fits most bottle neck sizes to prevent theft, in-store consumption or bottle content transfer. Its slim, transparent design provides a strong visual deterrent without interfering with merchandising or brand promotion. Containing both an AM non-deactivatable label and RF ferrite technology, this hard tag will alarm any EAS pedestal system if a protected product passes through the detection zone.

Retailer Values

- Strong visual deterrent for high-theft, high-value wine and spirits
- Fits most bottle neck sizes
- Form factor minimises impact on store merchandising and brand promotion
- Promotes open merchandising for increased sales

Solution Application

Spirits, wine, bottled products

Product Codes

AM & RF Technology

Standard Bottle Cap

- ZLAMT6017-5 (5 kG)
- ZLAMT6017-9 (9 kG)

Large Bottle Cap

- ZLAMT6017L-5 (5 kG)
- ZLAMT6017L-9 (9 kG)

Product Compatibility

Detachers

- Magnetic 9 kG Detachers
- Magnetic 5 kG Detachers
- Universal 9 kG Magnetic Detacher
- Universal 5 kG Magnetic Detacher
- Magnetic 9 kG Mobile Detacher

Detacher Type

Magnetic

Environmental Constraints

Temperature

Storage temperature range: 0-40°C (32-104°F).

Humidity

Unaffected by 20-85% humidity.

Specifications

Colour..... Black

Length

Standard..... 47.5 mm (1.87 in)

Large..... 78.2 mm (3.07 in)

Width

Standard..... 41.5 mm (1.63 in)

Large..... 49.0 mm (1.93 in)

Depth

Standard..... 18 mm (0.71 in)

Large..... 72.2 mm (2.84 in)

Weight

Standard..... 65 g (0.144 lb)

Large..... 81 g (0.18 lb)

Pullout force 45 kg (99.2 lb)

Lock magnetic strength 5 kG, 9 kG



CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



This innovative hard tag for high-heeled court shoes fastens to the back of the shoe with a lanyard cable and adjustable knob for protection without damage. Easy to remove with compatible Sensormatic detachers, the aesthetic tag design allows open merchandising with a strong visual deterrent that doesn't detract from the customer 'trying-on' experience. Available in AM or RF technology.

Retailer Values

- The first of its kind, this unique tag protects hard-to-tag high-heeled court shoes without causing cosmetic damage
- High magnetic strength for superior detection
- Reusable; the long shelf life helps to reduce shrink and decrease operational costs
- Does not interfere with customer 'trying-on' experience

Solution Application

High-heeled court shoes

Product Codes

AM Technology

- ZLAMT4300-5 (5 kG)
- ZLAMT4300 (9 kG)

RF technology

- RFT4300 (9 kG)

Product Compatibility

Detachers

- Magnetic 9 kG Detachers
- Magnetic 5 kG Detacher
- Universal 9 kG Magnetic Detacher
- Universal 5 kG Magnetic Detacher
- Magnetic 9 kG Mobile Detacher

Detacher Type

Magnetic

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 60°C (140°F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 60°C (140°F), up to 96 hours.

Specifications

Colour Grey
Length 99mm (3.89in)
Width 69 mm (2.71 in)
Depth..... 70 mm (2.75 in)
Weight 37.7 g (1.32 oz)
Lock magnetic strength 5 kG, 9 kG



CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



This 2-tone alarming wrap tag provides product security for a broad range of popular, high-value boots. The adjustable cables secure boots of all shapes and sizes, but still keep them accessible. When secured, the 2-tone wrap tag emits an audible alarm if defeat is attempted and alarms AM pedestal systems if protected products pass through the detection field. The wrap alarm will stop when the battery is depleted or when properly detached. The robust design provides a strong visual deterrent and does not interfere with the customer 'trying-on' experience.

Retailer Values

- Wraps securely around boots of all shapes and sizes
- Reusable; the long shelf life helps to reduce shrink and decrease operational costs
- 2-tone alarming feature adds an extra layer of security to high-value, high-risk boots
- Does not interfere with customer 'trying-on' experience

Suggested Solution Application

Boots

Product Codes

ZLAMT6029-5 (5 kG)

Product Compatibility

Detachers

- Magnetic 9 kG Detacher
- Universal 9 kG Magnetic Detacher
- Magnetic 5 kG Detacher
- Universal 5 kG Magnetic Detacher

Detacher Type

Magnetic

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 40°C (32-104°F) at 20-85% RH.

Specifications

Colour Black
 Length 55mm (2.16in)
 Width 35 mm (1.37 in)
 Weight 0.057 kG (2.01 oz)
 Lock magnetic strength 5 kG

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



The 3-tone alarming wrap tag features adjustable cables that secure around merchandise of a medium shape and size. The robust design offers a strong visual deterrent, while the low-profile footprint minimises impact on brand promotion. When secured, the 3-tone wrap tag emits an audible alarm if defeat is attempted and alarms the pedestal system if protected products pass through the detection zone. For additional security, the wrap itself will alarm when tagged merchandise is removed from the retail store. The tag alarm will stop once the battery is depleted or the tag is reset.

Retailer Values

- Wraps securely around merchandise of medium shape and size
- 3-tone alarming feature provides the highest level of security for high-value, high-risk merchandise
- Promotes open merchandising for increased sales

Solution Application

Electronics, laptops, software, power tools, computer games, toys, games

Product Codes

- ZLAMT6003-5 (5 kG)
- ZLAMT6003-9 (9 kG)

Product Compatibility

Detachers

- Magnetic 9 kG Detachers
- Magnetic 5 kG Detacher
- Universal 9 kG Magnetic Detacher
- Universal 5 kG Magnetic Detacher
- Magnetic 9 kG Mobile Detacher

Detacher Type

Magnetic

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 66°C (150°F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 66°C (150°F), up to 96 hours.

Specifications

Colour	Black
Length	57mm (2.24in)
Cable Length	720mm (28.3in)
Width	47 mm (1.85 in)
Weight	113.40 g (4 oz)
Lock magnetic strength	5 kG, 9 kG



CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



2-Tone Medium



2-Tone Small



This 2-tone alarming wrap tag provides product security for a broad range of popular, high-value merchandise. The adjustable cables secure packaging of all shapes and sizes, but still keep items accessible. When secured, the 2-tone wrap tag emits an audible alarm if defeat is attempted and alarms AM or RF pedestal systems if protected products pass through the detection field. The wrap alarm will stop when the battery is depleted or when properly detached. The robust design provides a strong visual deterrent while the small form factor minimises impact on brand promotion.

Retailer Values

- Wraps securely around merchandise of all shapes and sizes
- 2-tone alarming feature adds an extra layer of security to high-value, high-risk merchandise
- Small form factor minimises impact on brand promotion

Solution Application

Small Wrap

Computer games, small electronics, hand tools, gift box sets, CD/DVD collections, software, E-readers, digital cameras

Medium Wrap

Electronics, laptops, software, power tools, computer games, toys, games

Product Codes

Small Wrap

- ZLAMT6001-5 (5 kG)
- ZLAMT6001-9 (9 kG)

Medium Wrap

- ZLAMT6002-5 (5 kG)
- ZLAMT6002-9 (9 kG)

Product Compatibility

Detachers

- Magnetic 9 kG Detachers
- Magnetic 5 kG Detacher
- Universal 9 kG Magnetic Detacher
- Universal 5 kG Magnetic Detacher
- Magnetic 9 kG Mobile Detacher

Detacher Type

Magnetic

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 66°C (150°F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 66°C (150°F), up to 96 hours.

Specifications

Colour Black

Length

Small 45 mm (1.77 in)

Medium 47 mm (1.85 in)

Cable Length

Small 360 mm (14.1 in)

Medium 720 mm (28.3 in)

Width

Small 45 mm (1.77 in)

Medium 47 mm (1.85 in)

Weight

Small 58.96 g (2.08 oz)

Medium 90.71 g (3.2 oz)

Lock magnetic strength 5 kG, 9 kG

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



The SuperTag Ink combines the superior defeat resistance of the SuperTag with the added deterrence of ink. The small, lightweight design provides a visual warning that complements other Sensormatic tagging solutions. If defeat is attempted, the non-freezable, non-toxic, non-flammable aggressive ink permanently stains garments, denying the benefit of shoplifting.

Retailer Values

- Features permanent, non-toxic, non-flammable, non-freezable ink
- SuperTag, the gold standard in asset protection, features a patented clamp design for superior defeat resistance
- Enhances existing SuperTag security platform without changing detachers
- Protects high-risk, high-value merchandise with an additional layer of security for the existing SuperTag platform

Solution Application

Clothing

Product Codes

- Tag (Grey with yellow ink and universal warning): ZL310Y-G
- Tack (Grey): MJ200-G

Product Compatibility

Detachers

- SuperTag Detacher
- SuperTag Manual Hand-held Detacher

Detacher Type

SuperTag

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 60°C (140°F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 60°C (140°F), up to 96 hours.

Specifications

Colour	Grey
Length	79mm (3.1 in)
Width	30.5 mm (1.2 in)
Depth.....	18.8 mm (0.74 in)
Weight	16.8 g (0.59 oz)
Pullout force	63.5kG (140 lb)



CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



The Saucer Ink tag offers double protection: dual ink vials for visual deterrence and a choice of AM Ferrite or RF technology. The slim design with visible ink vials provides maximum theft prevention. The tag secures a wide variety of high-risk merchandise, while allowing retailers to open-merchandise with confidence.

Retailer Values

- Works with both AM Ferrite or RF technology
- Flat profile does not interfere with the shopper experience
- Visible ink vials for maximum theft deterrence

Solution Application

Denim, designer clothing, footwear, sportswear, swimsuits, home fashion, backpacks

Product Codes

AM Technology

- ZLAMT6015-5 (5 kG)
- ZLAMT6015-9 (9 kG)
- MJ6015 – Metal Tack

RF technology

- RFT6015-5 (5 kG)
- RFT6015-9 (9 kG)
- MJ6015 – Metal Tack

Product Compatibility

Detachers

- Magnetic 9 kG Detachers
- Magnetic 5 kG Detacher
- Universal 9 kG Magnetic Detacher
- Universal 5 kG Magnetic Detacher
- Magnetic 9 kG Mobile Detacher

Detacher Type

Magnetic

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 60°C (140°F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 60°C (140°F), up to 96 hours.

Specifications

Colour White

Depth 18.5 mm (0.73 in)

Diameter

Tag 50mm (1.97in)

Pin 1.2 mm (0.05 in)

Weight 17 g (0.6 oz) includes pin

Pullout Force 58.96 kg (130 lb)

Lock magnetic strength 5 kG, 9 kG



CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



The Sensor-Ink Mini is the perfect benefit denial solution for protecting everything from heavy denims to delicate intimates. Small, lightweight and durable, the reusable non-EAS Sensor-Ink Mini meets retailer demand for a high-integrity, cost-effective solution. It features a visible ink vial with a universal warning, providing a strong visual deterrent for would-be thieves. If defeat is attempted, the non-freezable, non-toxic, non-flammable aggressive ink permanently stains garments, denying the benefit of shoplifting. When paired with any SuperTag hard tag, the Sensor-Ink Mini provides both benefit denial and AM EAS protection.

Retailer Values

- Small design minimises impact to displayed merchandise
- Features permanent, non-toxic, non-flammable, non-freezable ink
- Provides a visual deterrent against shoplifting
- Stainless steel tack will not snag or tear garments and will not rust

Solution Application

General merchandise, clothing, speciality clothing

Product Codes

MJRMIN-G

Product Compatibility

Detachers

- SuperTag Detacher
- SuperTag Manual Hand-held Detacher
- Ultra-Gator Detacher
- Ultra-Gator Manual Hand-held Detacher

Detacher Type

SuperClamp, all SuperTags, MicroClamp and Ultra-Gator

Specifications

Colour	White
Length	36.9mm (1.5in)
Width	23.9 mm (0.9 in)
Depth.....	12.9 mm (0.5 in)
Weight	5 g (0.16 oz)
Pullout force	11.34 kg (25 lb)



CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



The SuperClamp tag is designed to hold Ultra•Ink or Sensor-Ink to soft goods. This reusable clamp detaches via SuperTag detachers for an added benefit to customers who use SuperTag hard tags. This product must be used with a benefit denial tag to provide asset protection value.

Retailer Values

Locking device holds either Ultra•Ink or Sensor-Ink to soft goods

Solution Application

Clothing

Product Codes

ML50-G

Product Compatibility

Detachers

- SuperTag Detacher
- SuperTag Manual Hand-held Detacher

Detacher Type

SuperTag

Specifications

Colour.....	Grey
Length	51 mm (2.0 in)
Width	30 mm (1.18 in)
Depth.....	18.75 mm (0.73 in)
Weight	9 g (0.32 oz)
Pullout force	63.5 kG (140 lb)



CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



The non-deactivatable, reusable Non-Adhesive Hard Tag delivers high-performance AM EAS technology in a small hard tag design. Ideal for drop-in applications such as handbags or wallets, this lightweight, compact tag provides a strong visual deterrent with low impact on merchandise displayed.

Retailer Values

- Non-adhesive for drop-in applications such as handbags or wallets
- Non-deactivatable and reusable to help preserve the bottom line
- Lightweight design and small footprint provide the right visual deterrent for small or delicate merchandise
- Rigid ABS housing helps to minimise tampering by would-be shoplifters

Solution Application

Clothing, general merchandise, speciality clothing, sporting goods, DIY, jewellery

Product Codes

ZLAMT5000-G

Product Compatibility

Sensormatic AM EAS detection systems

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 60°C (140°F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 60°C (140°F), up to 96 hours.

Specifications

Colour Grey
Length 42mm (1.65in)
Width 9 mm (0.35 in)
Height..... 4 mm (0.16 in)
Weight 1.4 g (0.04 oz)



Secure compatible hard tags to soft goods of various thickness for a strong, tamper-resistant fit.



Product Compatibility

- SuperTag Portfolio
- Magnetic AM/RFID Tag
- AM/RFID Hard Tag
- SuperTag Lanyard
- Versatie

Product Codes

- MJ200-G: Grey Tack
- MJ200-B: Black Tack
- MJ200L-W: White Long Tack
- MJ200-MG: Grey Tack for AM/RFID Magnetic Tag

Specifications

MJ200-G and MJ200-B

Tack Length..... 15mm (0.59in)

MJ200L-W

Tack Length..... 17mm (0.66in)

MJ200-MG

Tack Length..... 15mm (0.59in)



Product Compatibility

- Deactivatable SuperTag VST-R
- Non-Deactivatable SuperTag VST-R

Product Codes

- MJ70-H: Metal Tack

Specifications

Tack Length..... 14.5mm (0.57in)



Product Compatibility

- Ultra-Gator Tag
- Versatie
- Lanyard for Ultra-Gator Tag

Product Codes

- MJ25-2P: Beige Tack

Specifications

Tack Length..... 14mm (0.54in)



Product Compatibility

- Magnetic 9 kG Tack Tag

Product Codes

- MJ400-G: Grey Tack
- MJ400-B: Black Tack

Specifications

Tack Length..... 15mm (0.60in)



Product Compatibility

- MVST-R Tag

Product Codes

- MJ7400: New Grey Tack
- MJ7400R: Re-circulated Grey Tack

Specifications

Tack Length..... 7.1mm (0.67in)



Product Compatibility

- Magnetic 5 kG Tack Tag

Product Codes

- MJAMT3200-G: Grey Tack
- MJAMT3200-S: Steel Tack
- MJAMT3200-B: Black Tack

Specifications

MJAMT3200-G

Tack Length..... 17.9mm (0.70in)

MJAMT3200-S

Tack Length..... 17.9mm (0.70in)

MJAMT3200-B

Tack Length..... 17.9mm (0.70in)



Product Compatibility

- Ultra-Gator Tag
- Versatie
- Lanyard for Ultra-Gator Tag

Product Codes

MJ25-2P: Beige Tack

Specifications

Tack Length..... 14mm (0.54in)



Product Compatibility

- SuperTag Portfolio
- Ultra-Gator Portfolio
- Magnetic 9 kG Tack Tag

Product Codes

Tack Only

- MJVT-2: Beige
- MJVT-3B: Beige
- MJVT-4B: Beige

Clip Only

- MXVC-1: Metal

Specifications

Tacks

MJVT-2

Tack Length..... 12.3mm (0.48in)

MJVT-3B

Tack Length..... 12.3mm (0.48in)

MJVT-4B

Tack Length..... 12.3mm (0.48in)

Clip

MXVC-1

0.30 x 0.20 x 2.4mm
(1.18 x 0.79 x 1in)

Unique, ultra-thin tack design minimises risk of damage to delicate fabrics.



Product Compatibility

- Magnetic 5 kG Tack Tag
- MVST-R Tag

Product Codes

- MJLT-1 (CE only): White Tack

Specifications

Tack Length..... 13mm (0.51in)



Product Compatibility

- Magnetic Delicate Tag

Product Codes

- MJ3220-G: Grey Tack
- MJ3220-B: Black Tack

Specifications

Tack Length.....0.318mm (0.012in)

A flexible and secure way to attach compatible hard tags to a variety of merchandise, including hard-to-tag product categories.



Product Compatibility

- SuperTag Portfolio

Product Codes

- MXSTL
Stainless steel cable with loop on one end and eye on other end

Specifications

Length 21cm (8.26in)

Our easy-to-apply labels protect a broad range of product categories and provide a powerful defence against shoplifting. From sheet labels to rolls, our wide range of labels can be applied in store or at the source.

Our labels feature exceptional range, sensitivity, tamper resistance and immunity to nuisance alarms. We offer a full portfolio of labels in Acousto-Magnetic (AM), Radio Frequency (RF), Radio Frequency Identification (RFID) and dual-technology formats.

Unique labels such as metal sheet, HBC (health beauty cosmetic), microwavable and sewn-in are available for hard-to-protect items. Our comprehensive source tagging programme saves in-store labour costs, reduces shrink and helps to increase sales. Items are labelled at the source, and merchandise arrives ready to go to the shop floor.

Labels provide reliable cost-effective protection in a small footprint.





The Metal Sheet Label delivers top-of-the-range performance and superior merchandise protection when attached to metal surfaces or metallic packaged products. This label expands merchandise protection capabilities to include previously unprotectable SKUs that were difficult to protect with standard EAS labels. It also provides exceptional range, sensitivity, detection and consistent deactivation at the point of sale (POS).

Designed to perform on metal surfaces or metallic packaged products such as canned food items, baby formula, energy drinks and DIY tools, this robust and stable AM EAS label operates efficiently after exposure to environmental stresses, including shipping and handling. Available for in-store hand application, this label can also be applied to merchandise at the point of manufacture so that retailers can receive floor-ready merchandise with consistent label placement, expediting receiving and sales floor fulfilment.

Retailer Values

- Expands product protection categories to cover previously unprotectable SKUs, thereby helping to increase sales
- Delivers the highest level of anti-theft protection for on-metal products to help deter shoplifting and ORC activity
- Robust construction provides optimal merchandise protection

Suggested Solution Application

Energy drinks, baby formula, DIY tools, housewares, health & beauty metallised containers, batteries, canned food items, automotive, cannabidiol (CBD) product packaging

Product Codes

ZLMTLS1: white

Technology

Acousto-Magnetic (AM)

Product Compatibility

Sensormatic AM detection and deactivation devices.

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 50°C (122°F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 50°C (122°F), up to 96 hours.

Shelf Life

Two years from date of manufacture when labels are stored between 15°C-32°C (60°F-90°F), 30-80% RH.

Application Method

Hand

Construction Materials

Plastic substrate

Polystyrene/polyethylene 0.254 mm (0.010 in) thickness

Magnetic Acoustic Resonator

Proprietary resonant magnetic material. Amorphous alloy based on iron, containing nickel, cobalt, boron and silicon

Laminate

Low-density polyethylene/polyester 0.101 mm (0.004 in)

Bias

Proprietary semi-hard magnetic material containing iron and nickel

Adhesive

Double-coated, rubber-based adhesive:

- 2.4 mm thick each side
- Minimum peel strength of 2.27 kg (5 lb)/in

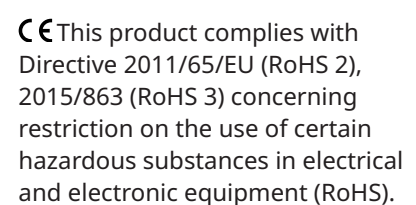
Release Liner

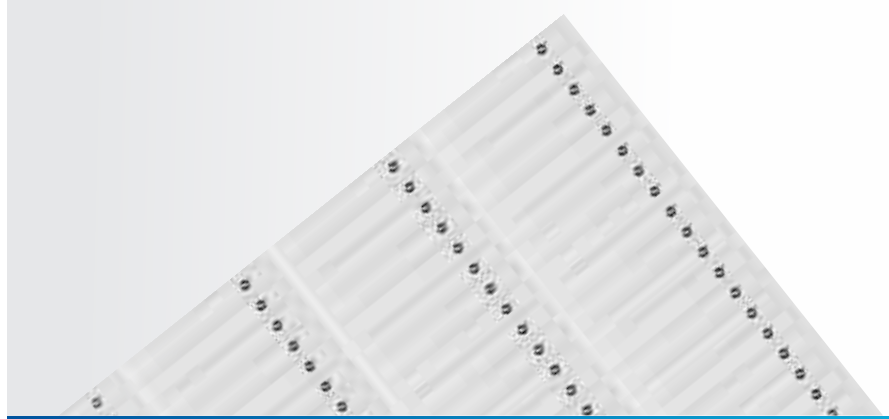
Double-sided, silicon-coated 80 lb bleached Kraft liner 0.114 mm (0.0045 in) thick.

Colour White
Length 45.21 mm $\pm$ 0.5 mm
(1.78 in $\pm$ 0.020 in)
Width 10.67 mm $\pm$ 0.5 mm
(0.420 in $\pm$ 0.020 in)

Without liner..max. 2.32 mm (0.091 in)
With liner.....max. 2.47 mm (0.097 in)
Labels per sheet..... 108

	Sheet
PRODUCT CODE	ZLMTLS1
Case weight	2.336 kg (5.15 lb)
External carton dimensions	27.9 x 20 x 11 cm (11 x 8 x 4.5 in)
External cubic ft. per case	0.23
Cases per pallet	160
Order multiple	2,500-unit case





The Health, Beauty & Cosmetic (HBC) Sheet Label delivers merchandise protection using proven Sensormatic technology to fit the narrowest of merchandise. This AM EAS label design secures items small enough to quickly hide or those that may be taken without attracting attention. The HBC label provides consistent deactivation at the point of sale (POS) and reliable detection performance.

Available for in-store hand application, this label can also be applied to merchandise at the point of manufacture. This allows retailers to receive floor-ready merchandise with consistent label placement to help expedite receiving and sales floor fulfilment.

Retailer Values

- Utilises proven Sensormatic AM technology and manufacturing processes
- Protects cylindrically-shaped merchandise too narrow for traditional EAS labels such as cosmetics, skin care and oral health products
- Permits open merchandising while still combating theft

Suggested Solution Application

Cosmetics, skin care
Oral health products
Pain relief

Product Codes

- ZLHBCS1: white
- ZLHBCS5: black

Technology

Acousto-Magnetic (AM)

Product Compatibility

Sensormatic AM detection and deactivation devices

Detacher Type

SuperTag

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 50°C (122°F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 50°C (122°F), up to 96 hours.

Shelf Life

Two years from date of manufacture when labels are stored between 15°C-32°C (60°F-90°F), 30-80% RH.

Application Method

Hand

Construction Materials

Plastic substrate

Polystyrene/polyethylene 0.254 mm (0.010 in) thickness

Magnetic Acoustic Resonator

Proprietary resonant magnetic material. Amorphous alloy based on iron, containing nickel, cobalt, boron and silicon

Laminate

Low-density polyethylene/polyester polyethylene 0.101 mm (0.004 in)

Bias

Proprietary semi-hard magnetic material containing iron and nickel

Adhesive

Double-coated, rubber-based adhesive:

- 2.4 mm thick per side
- Minimum peel strength of 2.27 kg/5 lb

Release Liner

Double-sided, silicon-coated 80 lb bleached Kraft liner 0.114 mm (0.0045 in)

Dimensions

Colour White, Black

Length 45.11mm $\pm$ 0.5mm
(1.775in $\pm$ 0.020in)

Width 6.0mm $\pm$ 0.25mm
(0.236in $\pm$ 0.010in)

Label Thickness

(excluding liner).....Maximum 1.6 mm
(0.063 in)

(including liner) Maximum 1.8 mm
(0.070 in)

Labels per sheet..... 192

Note:

warranty terms and conditions are as specified in the applicable Sales Agreement.

Sheet Specs

	Sheet
PRODUCT CODES	ZLHBCS1, ZLHBCS5
Case weight	2.380 kg (5.24 lb)
External carton dimensions	27.9 x 20 x 11 cm (11 x 8 x 4.5 in)
External cubic ft. per case	0.23
Cases per pallet	160
Order multiple	8,864-unit case



CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



The premier choice in label performance and merchandise protection. The Advanced Performance Xtreme (APX) Sheet Label delivers top-of-the-range performance and superior merchandise protection using proven Sensormatic technology. The APX Label provides exceptional range, sensitivity, tamper-resistance, detection and consistent deactivation at the point of sale (POS) with virtually no nuisance alarms. This robust and stable AM EAS label operates efficiently after exposure to environmental stresses, including shipping and handling. Available for in-store hand application, this label can also be applied to merchandise at the point of manufacture so that retailers can receive floor-ready merchandise with consistent label placement, expediting receiving and sales floor fulfilment.

Retailer Values

- Utilises proven Sensormatic AM technology and manufacturing process to provide reliable detection performance
- Quality materials and precision manufacturing help to deliver consistent deactivation at the POS
- Small label footprint minimises impact on brand promotion and important product information
- Robust construction provides optimal merchandise protection
- Works well on liquids, foils and in metal shopping trolleys
- Reactivable for unlimited reuse

Product Codes

- ZLAPXS1: white
- ZLAPXS2: Mock barcode
- ZLAPXS5: black

Technology

Acousto-Magnetic (AM)

Product Compatibility

Sensormatic AM detection and deactivation devices.

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 50°C (122°F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 50°C (122°F), up to 96 hours.

Shelf Life

Two years from date of manufacture when labels are stored between 15°C-32°C (60°F-90°F), 30-80% RH.

Application Method

Hand

Construction Materials

Plastic substrate

Polystyrene/polyethylene 0.254 mm (0.010 in) thickness

Magnetic Acoustic Resonator

Proprietary resonant magnetic material. Amorphous alloy based on iron, containing nickel, cobalt, boron and silicon

Laminate

Low-density polyethylene/polyester 0.101 mm (0.004 in)

Bias

Proprietary semi-hard magnetic material containing iron and nickel

Adhesive

Double-coated, rubber-based adhesive:

- 2.4 mm thick each side
- Minimum peel strength of 2.27 kg (5 lb)/in

Release Liner

Double-sided, silicon-coated 80 lb bleached Kraft liner 0.114 mm (0.0045 in) thick.

Dimensions

Colour..... White, Mock Barcode, Black

Length 45.21mm $\pm$ 0.5mm
(1.78in $\pm$ 0.020in)

Width 10.67 mm $\pm$ 0.5 mm
(0.420 in $\pm$ 0.020 in)

Label Thickness

(excluding liner).....Maximum 1.89 mm
(0.074 in)

(including liner) Maximum 2.00 mm
(0.079 in)

Labels per sheet..... 108

Note:

warranty terms and conditions are as specified in the applicable Sales Agreement.

Sheet Specs

	Sheet
PRODUCT CODES	ZLAPXS1, ZLAPXS2 ZLAPXS5
Case weight	2.486 kg (5.48 lb)
External carton dimensions	27.9 x 20 x 11 cm (11 x 8 x 4.5 in)
External cubic ft. per case	0.23
Cases per pallet	160
Order multiple	5,000-unit case



CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



The premier choice in label performance and merchandise protection. The Advanced Performance Xtreme (APX) Roll Label delivers top-of-the-range performance and superior merchandise protection using proven Sensormatic technology. The APX Label provides exceptional range, sensitivity, tamper resistance, detection and consistent deactivation at the point of sale (POS) with virtually no nuisance alarms.

This robust and stable AM EAS label operates efficiently after exposure to environmental stressors, including shipping and handling. This label is designed for automatic application to merchandise at the point of manufacture so retailers can receive floor-ready merchandise with consistent label placement, expediting receiving and sales floor fulfilment.

Retailer Values

- Utilises proven Sensormatic AM technology and manufacturing process to provide reliable detection performance
- Application at the source allows merchandise to arrive tagged and shelf-ready, moving faster from receiving to sales floor
- Better label adhesion ensures durability and longevity on merchandise during shipping, storage and handling
- Permits open merchandising while still combating theft
- Quality materials and precision manufacturing help to deliver consistent deactivation at the POS
- Small label footprint minimises impact on brand promotion and important product information
- Works well when placed on liquids, foils and in metal shopping trolleys
- Reactivable for unlimited reuse

Product Codes

Small Roll

- ZLAPX1K71: white
- ZLAPX1K75: Black

Large Roll

- ZLAPX7K51: white
- ZLAPX7K55: Black

Technology

Acousto-Magnetic (AM)

Product Compatibility

Sensormatic AM detection and deactivation devices.

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 50°C (122° F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 50°C (122°F), up to 96 hours.

Shelf Life Small Roll

Two years from date of manufacture when labels are stored between 15°C-32°C (60°F-90°F), 30-80% RH.

Large Roll

One year from date of manufacture when labels are stored between 15°C-32°C (60°F-90°F), 30-80% RH.

Application Method

Small Roll

Hand or tabletop

Large Roll

Automatic

Construction Materials

Plastic substrate

Polystyrene/polyethylene 0.254 mm (0.010 in) thick

Magnetic Acoustic Resonator

Proprietary resonant magnetic material. Amorphous alloy based on iron, containing nickel, cobalt, boron and silicon

Construction Materials

Laminate

Low-density polyethylene/polyester polyethylene 0.101 mm (0.0040 in)

Bias

Proprietary semi-hard magnetic material containing iron and nickel

Adhesive

Double-coated, rubber-based adhesive:

- 2.4 mm thick per side
- Minimum peel strength of 2.27 kg/5 lb

Release Liner

PET (polyethylene) film, silicone treated 0.0508 mm + - 10% thick

Dimensions

Colour White, Black

Length 44.6mm $\pm$ 0.15mm
(1.76in $\pm$ 0.006in)

Width 10.16 mm $\pm$ 0.15 mm
(0.40 in $\pm$ 0.006 in)

Label Thickness

(excluding liner).....Maximum 1,73 mm
(0.068 in)

(including liner) Maximum 1.78 mm
(0.070 in)

Liner width.....48.64 mm $\pm$ 0.75 mm
(1.915 in $\pm$ 0.030 in)

Label repeat.....14.73 mm $\pm$ 0.75 mm
(0.580 in $\pm$ 0.030 in)

Label to Liner Spacing

Large.....2.02 mm $\pm$ 0.75 mm

Small..... $\pm$ 2.0 mm (0.080 in $\pm$ 0.030 in)

Note:

warranty terms and conditions are as specified in the applicable Sales Agreement.



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Roll Specifications

	Small Roll	Large Roll
PRODUCT CODES	ZLAPX1K71 – ZLAPX1K75	ZLAPX7K51 – ZLAPX7K55
Diameter of core	76.2 mm (3 in) core	152.4 mm (6 in) core*
Max. roll diameter	240 mm (9.45 in)	500 mm (19.7 in)
Number splices	3 splices, 1 leader splice	5 splices, 1 leader splice
Roll weight	0.743 kg (1.63 lb)	3.376 kg (7.44 lb)
Case weight	4.63 kg (10.20 lb)	15.49 kg (34.15 lb)
External carton dimensions	27.6 x 24.5 x 30.5cm (10.88 x 9.63 x 12in)	51.8 x 51.8 x 25.4 cm (20.38 x 20.38 x 10 in)
External cubic ft. per case	0.73	2.4
Roll size	1,700-unit roll	7,500-unit roll
Rolls per case	5	4
Cases per pallet	48	16



The premier choice in label performance and merchandise protection. The Advanced Performance Xtreme (APX) Roll Label delivers top-of-the-range performance and superior merchandise protection using proven Sensormatic technology. The APX Label provides exceptional range, sensitivity, tamper resistance, detection and consistent deactivation at the point of sale (POS) with virtually no nuisance alarms.

This robust and stable AM EAS label operates efficiently after exposure to environmental stressors, including shipping and handling. This label is designed for automatic application to merchandise at the point of manufacture so retailers can receive floor-ready merchandise with consistent label placement, expediting receiving and sales floor fulfilment.

Retailer Values

- Utilises proven Sensormatic AM technology and manufacturing process to provide reliable detection performance
- Application at the source allows merchandise to arrive tagged and shelf-ready, moving faster from receiving to sales floor
- Better label adhesion ensures durability and longevity on merchandise during shipping, storage and handling
- Permits open merchandising while still combating theft
- Quality materials and precision manufacturing help to deliver consistent deactivation at the POS

- Small label footprint minimises impact on brand promotion and important product information
- Works well when placed on liquids, foils and in metal shopping trolleys
- Reactivatable for unlimited reuse

Product Codes

Large Roll

ZLAPX9K1: white

Technology

Acousto-Magnetic (AM)

Product Compatibility

Sensormatic AM detection and deactivation devices.

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 50°C (122° F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 50°C (122°F), up to 96 hours.

Shelf Life

One year from date of manufacture when labels are stored between 15°C-32°C (60°F-90°F), 30-80% RH.

Application Method

Automatic

Construction Materials

Plastic substrate

Polystyrene/polyethylene 0.254 mm (0.010 in) thick

Magnetic Acoustic Resonator

Proprietary resonant magnetic material. Amorphous alloy based on iron, containing nickel, cobalt, boron and silicon

Laminate

Low-density polyethylene/polyester polyethylene 0.101 mm (0.0040 in)

Bias

Proprietary semi-hard magnetic material containing iron and nickel

Adhesive

Double-coated, rubber-based adhesive:

- 2.4 mm thick per side
- Minimum peel strength of 2.27 kg/5 lb

Release Liner

PET (polyethylene) film, silicone treated 0.0508 mm + - 10% thick

Dimensions

Colour White

Length 44.6mm $\pm$ 0.15mm
(1.76in $\pm$ 0.006in)Width 10.16 mm $\pm$ 0.15 mm
(0.4 in $\pm$ 0.006 in)**Label Thickness**(excluding liner).....Maximum 1.51 mm
(0.059 in)Liner width.....48.64 mm $\pm$ 0.75 mm
(1.915 in $\pm$ 0.030 in)Label repeat.....14.73 mm $\pm$ 0.75 mm
(0.58 in $\pm$ 0.03 in)**Label to Liner Spacing**2.02 mm $\pm$ 0.75 mm (0.080 in $\pm$ 0.03 in)**Additional Consideration**

Must be applied to a rigid substrate.

Note:warranty terms and conditions are
as specified in the applicable Sales
Agreement.**Roll Specifications**

	Roll
PRODUCT CODE	ZLAPX9K1
Diameter of core	152.4 mm (6 in) core*
Max. roll diameter	485 mm (19 in)
Number splices	5 splices, 1 leader splice
Roll weight	4.04 kg (8.90 lb)
Case weight	18.20 kg (40.12 lb)
External carton dimensions	51.8 x 51.8 x 25.4 cm (20.38 x 20.38 x 10 in)
External cubic ft. per case	2.4
Roll size	9,000-unit roll
Rolls per case	4
Cases per pallet	16

*Includes 3 in core adapter



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The APX Non-Reactivatable Sheet Label delivers top-of-the-range performance and superior merchandise protection. This label provides exceptional range, sensitivity, detection and consistent deactivation at the point of sale (POS) with virtually no nuisance alarms.

This robust and stable AM EAS label operates efficiently after exposure to environmental stressors, including shipping and handling. This label design is for automatic application to merchandise at the point of manufacturing, and remains with the product after purchase. The non-reactivatable design prevents inadvertent reactivation after customer purchase.

Retailer Values

- Utilises proven Sensormatic AM technology and manufacturing process to provide the highest detection performance
- Non-reactivatable format helps to prevent inadvertent reactivation, reducing nuisance EAS alarms at the store entrance
- Merchandise arrives sales floor-ready, enabling immediate product availability

Solution Application

Footwear

Product Codes

- ZLAML-APXDBS6: Sheet
- ZLAML-APXDBS6-S: Bag (Singulated)

Technology

Acousto-Magnetic (AM)

Product Compatibility

Sensormatic AM detection and deactivation devices

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 50°C (122°F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 50°C (122°F), up to 96 hours.

Shelf Life

Two years from date of manufacture when labels are stored between 15°C-32°C (60°F-90°F), 30-80% RH.

Application Method

Automatic

Dimensions

Colour White
Length 45.21 mm + 0.5 mm
(1.78 + 0.020 in)

Width 10.67 mm + 0.5 mm
(0.420 in + 0.020 in)

Label Thickness

(excluding liner) Maximum 0.89 mm
(0.074 in)

(including liner) Maximum 2.00 mm
(0.079 in)

Labels per sheet 108

Labels per bag 1,000

Construction Materials

Plastic substrate

Polystyrene/polyethylene 0.254 mm (0.010 in) thickness

Magnetic Acoustic Resonator

Proprietary resonant magnetic material. Amorphous alloy based on iron, containing nickel, cobalt, boron and silicon

Laminate

Low-density polyethylene/polyester 0.101 mm (0.004 in)

Bias

Proprietary semi-hard magnetic material containing iron and nickel

Adhesive

Double-coated, rubber-based adhesive:

- 2.4 mm thick per side
- Minimum peel strength of 2.27 kg/5 lb

Release Liner

Double-sided, silicon-coated 2 mm polyester

Roll Specifications

	Sheet	Bag
PRODUCT CODE	ZLAML-APXDBS6	ZLAML-APXDBS6-S
Case weight	3.44 kg (7.58 lb)	3.52 kg (7.76 lb)
External carton dimensions	275X197X97 mm (10.8 x 7.8 x 3.8in)	275X197X197 mm (10.8 x 7.8 x 7.8in)
External cubic ft. per case	0.23	0.38
Cases per pallet	144	80
Order multiple	5,000-unit case	5,000 pcs/case


Note:

warranty terms and conditions are as specified in the applicable Sales Agreement.

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The APX Non-Deactivatable Label delivers stability and deactivation resistance similar to a Sensormatic hard tag. This reusable anti-shoplifting label provides the highest anti-theft protection option for safers and asset protection solutions. The label remains active in a typical point-of-sale environment where it may come close to deactivators and magnetic detachers.

Retailer Values

- Non-deactivatable format designed to protect safers and other asset protection solutions
- Utilises proven Sensormatic AM technology to provide the highest detection performance available
- Works well on liquids, foils and in metal shopping trolleys
- Robust construction provides optimal merchandise protection

Product Codes

ZLAPX-NDL

Technology

Acousto-Magnetic (AM)

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 50°C (122°F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 50°C (122°F), up to 96 hours.

Shelf Life

Two years from date of manufacture when labels are stored between 15°C-32°C (60°F-90°F), 30-80% RH.

Product Compatibility

Sensormatic AM detection and deactivation devices.

Application Method

Hand

Dimensions

Colour White

Length 45.21 mm ± 0.5 mm
(1.786 in ± 0.020 in)

Width 10.67 mm ± 0.5 mm
(0.420 in ± 0.020 in)

Label Thickness

(excluding liner) Maximum 2.1 mm
(0.082 in)

(including liner) Maximum 2.3 mm
(0.090 in)

Labels per sheet 108

Sheet Specifications	
	Sheet
PRODUCT CODE	ZLAPX-NDL
Case weight	2.85 kg (6.28 lb)
External carton dimensions	27.9 x 20 x 11cm (11 x 8 x 4.5in)
Cases per pallet	160
Order multiple	4000-unit case

Note:
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The APX Microwavable Label offers the highest level of anti-shoplifting protection in the smallest possible footprint. Tagging high-shrink merchandise such as high-end meats, fish and shellfish can help to reduce shrink and positively impact the retailer's bottom line. This label features a precautionary warning text and is configured for hand application to external product packaging.

Retailer Values

- Configured for hand application to external product packaging
- Designed for food products that will be microwaved
- Utilises proven Sensormatic AM technology and manufacturing process to provide reliable detection performance
- No detection interference caused by meat or fish products
- Robust construction provides optimal merchandise protection

Product Codes

Small Roll

ZLAPXM1K43

Technology

Acousto-Magnetic (AM)

Product Compatibility

Sensormatic AM detection and deactivation devices

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 50°C (122°F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 50°C (122°F), up to 96 hours.

Shelf Life

Two years from date of manufacture when labels are stored between 15°C-32°C (60°F-90°F), 30-80% RH.

Application Method

Small Roll: Hand or tabletop

Construction Materials

Plastic substrate

Polystyrene/polyethylene 0.254 mm (0.010 in) thick

Magnetic Acoustic Resonator

Proprietary resonant magnetic material. Amorphous alloy based on iron, containing nickel, cobalt, boron and silicon

Laminate

Low-density polyethylene/polyester polyethylene 0.101 mm (0.0040 in)

Bias

Proprietary semi-hard magnetic material containing iron and nickel

Adhesive

Double-coated, rubber-based adhesive:

- 2.4 mm thick per side
- Minimum peel strength of 2.27 kg/5 lb

Release Liner

PET (polyethylene) film, silicone treated 0.0508 mm + - 10% thick

Dimensions

Colour Red

Length 44.60mm $\pm$ 0.15mm
(1.76in $\pm$ 0.006in)Width 10.16 mm $\pm$ 0.15 mm
(0.40 in $\pm$ 0.006 in)**Label Thickness**(excluding liner).....Maximum 1.73 mm
(0.068 in)(including liner) Maximum 1.78 mm
(0.070 in)Liner width.....48.64 mm $\pm$ 0.75 mm
(1.915 in $\pm$ 0.030 in)Label repeat.....14.73 mm $\pm$ 0.75 mm
(0.580 in $\pm$ 0.030 in)**Label to Liner Spacing**. 2.0 mm $\pm$ 0.75 mm (0.080 in $\pm$ 0.03 in)**Additional Consideration**

The label must be applied to packaging containing meat weighing at least 227 grams (0.5 lb) or more to be microwavable

Note:

warranty terms and conditions are as specified in the applicable Sales Agreement.

Sheet Specs

Small Roll	
PRODUCT CODE	ZLAPXM1K43
Diameter of core	76.2mm (3in) core*
Max. roll diameter	240 mm (9.45 in)
Number splices	3 splices, 1 leader splice
Roll weight	0.743 kg (1.63 lb)
Case weight	4.63 kg (10.20 lb)
External carton dimensions	27.6 x 24.5 x 30.5 cm (10.88 x 9.63 x 12 in)
External cubic ft. per case	0.73
Roll size	1,400-unit roll
Rolls per case	5
Cases per pallet	48

*Includes 3 in core adapter

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The APX Microwavable Label offers the highest level of anti-shoplifting protection in the smallest possible footprint. Tagging high-shrink merchandise such as high-end meats, fish and shellfish can help to reduce shrink and positively impact the retailer's bottom line. This label is designed for high-speed application in meat soaker pads, trays and under prime labels for inconspicuous protection.

Retailer Values

- Configured for high-speed application, this label is embedded in meat soaker pads, trays and under prime labels for inconspicuous protection
- Designed for food products that will be microwaved
- Utilises proven Sensormatic AM technology and manufacturing process to provide reliable detection performance
- No detection interference caused by meat or fish products
- Robust construction provides optimal merchandise protection

Product Codes

- Small Roll: ZLAPXM1K41
- Large Roll: ZLAPXM7K3

Technology

Acousto-Magnetic (AM)

Product Compatibility

Sensormatic AM detection and deactivation devices

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 50°C (122°F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 50°C (122°F), up to 96 hours.

Shelf Life

Small Roll

Two years from date of manufacture when labels are stored between 15°C-32°C (60°F-90°F), 30-80% RH.

Large Roll

One year from date of manufacture when labels are stored between 15°C-32°C

Application Method

Small Roll: Hand or tabletop

Large Roll: Automatic

Construction Materials

Plastic substrate

Polystyrene/polyethylene 0.254 mm (0.010 in) thick

Magnetic Acoustic Resonator

Proprietary resonant magnetic material. Amorphous alloy based on iron, containing nickel, cobalt, boron and silicon

Laminate

Low-density polyethylene/polyester polyethylene 0.101 mm (0.0040 in)

Bias

Proprietary semi-hard magnetic material containing iron and nickel

Adhesive

Double-coated, rubber-based adhesive:

- 2.4 mm thick per side
- Minimum peel strength of 2.27 kg/5 lb

Release Liner

PET (polyethylene) film, silicone treated 0.0508 mm + - 10% thick

Roll Specifications		
	Small Roll	Large Roll
PRODUCT CODE	ZLAPXM1K41	ZLAPXM7K3
Diameter of core	76.2 mm (3 in) core	152.4 mm (6 in) core*
Max. roll diameter	240 mm (9.45 in)	500 mm (19.7 in)
Number splices	3 splices, 1 leader splice	5 splices, 1 leader splice
Roll weight	0.743 kg (1.63 lb)	3.376 kg (7.44 lb)
Case weight	4.63 kg (10.20 lb)	15.49 kg (34.15 lb)
External carton dimensions	27.6 x 24.5 x 30.5cm (10.88 x 9.63 x 12in)	51.8 x 51.8 x 25.4cm (20.38 x 20.38 x 10in)
External cubic ft. per case	0.73	2.4
Roll size	1,400-unit roll	7,000-unit roll
Rolls per case	5	4
Cases per pallet	48	16

Dimensions

Colour White
 Length 44.60mm $\pm$ 0.15mm
 (1.76in $\pm$ 0.006in)
 Width 10.16 mm $\pm$ 0.15 mm
 (0.40 in $\pm$ 0.006 in)

Label Thickness

(excluding liner).....Maximum 1.73 mm
 (0.068 in)
 (including liner) Maximum 1.78 mm
 (0.070 in)
 Liner width.....48.64 mm $\pm$ 0.75 mm
 (1.915 in $\pm$ 0.030 in)
 Label repeat.....14.73 mm $\pm$ 0.75 mm
 (0.580 in $\pm$ 0.030 in)

Label to Liner Spacing

Large.....2.02 mm $\pm$ 0.75 mm
 Small..... $\pm$ 2.0 mm (0.080 in $\pm$ 0.030 in)

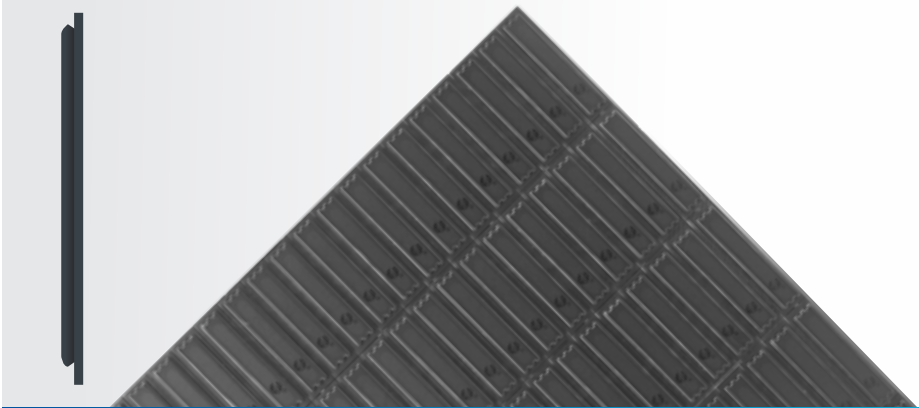
Additional Consideration

The label must be applied to packaging containing meat weighing at least 227 grams (0.5 lb) or more to be microwavable

Note:

warranty terms and conditions are as specified in the applicable Sales Agreement.

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The APX Book Label provides outstanding performance and merchandise protection for paperback and/or hardcover books. Intended for manual application, this widely used security label is applied to a book's spine or behind the dust jacket for inconspicuous protection. This application makes the label less prone to tampering or removal, helping to reduce lost sales due to theft.

Retailer Values

- Utilises proven Sensormatic AM technology and manufacturing process to provide the highest level of detection performance
- Quality materials and precision manufacturing help to deliver consistent deactivation at the POS
- Small label footprint minimises impact on brand promotion and important product information
- Robust construction provides optimal merchandise protection

Product Code

ZLAPXSLT5

Technology

Acousto-Magnetic (AM)

Product Compatibility

Sensormatic AM detection and deactivation devices.

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 50°C (122°F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 50°C (122°F), up to 96 hours.

Shelf Life

Two years from date of manufacture when labels are stored between 15°C-32°C (60°F-90°F), 30-80% RH.

Application Method

Hand

Dimensions

Colour..... Black
Length 45.21mm ± 0.5mm
(1.78in ± 0.020in)
Width 10.67 mm ± 0.5 mm
(0.420 in ± 0.020 in)

Label Thickness

(excluding liner).....Maximum 1.89 mm
(0.074 in)
(including liner) Maximum 2.00 mm
(0.079 in)
Labels per sheet..... 108

Construction Materials

Plastic substrate

Polystyrene/polyethylene 0.254 mm (0.010 in) thickness

Magnetic Acoustic Resonator

Proprietary resonant magnetic material. Amorphous alloy based on iron, containing nickel, cobalt, boron and silicon

Laminate

Low-density polyethylene/polyester 0.101 mm (0.004 in)

Bias

Proprietary semi-hard magnetic material containing iron and nickel

Adhesive

Self-wound tape with removable adhesive

Sheet Specifications	
	Sheet
PRODUCT CODE	ZLAPXSLT5
Case weight	2.638 kg (5.82 lb)
per case	27.9 x 20 x 10.6cm (11 x 8 x 4.2in)
Cases per pallet	144
Order multiple	5,000-unit case

Note:
warranty terms and conditions are as specified in the applicable Sales Agreement.



CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



The APX Hang Label offers the highest level of anti-shoplifting protection in the smallest possible footprint for accessory items such as costume jewellery, watches and sunglasses. The label attaches to merchandise via a plastic or string lanyard supplied by the retailer or manufacturer. It can be used once or multiple times. The label format is intended for source tagging accessory items.

Retailer Values

- Designed to protect high-theft accessories
- Utilises proven Sensormatic AM technology and manufacturing process to provide the highest level of detection performance
- Small label footprint minimises impact on brand promotion and important product information
- Reactivable for unlimited reuse
- Works well on liquids, foils and in metal shopping trolleys
- Robust construction provides optimal merchandise protection

Product Code

ZLAPXHT1

Technology

Acousto-Magnetic (AM)

Product Compatibility

Sensormatic AM detection and deactivation devices

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 50°C (122°F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 50°C (122°F), up to 96 hours.

Shelf Life

Two years from date of manufacture when labels are stored between 15°C-32°C (60°F-90°F), 30-80% RH.

Application Method

Hand

Dimensions

Colour White
 Length 58mm ± 0.5mm
 (2.28in ± 0.020in)
 Width 10 mm ± 0.5 mm
 (0.394 in ± 0.020 in)

Length Thickness

(including liner) Maximum 2.0 mm
 (0.078 in)

Labels per bag 100

Construction Materials

Plastic substrate

Polystyrene/polyethylene 0.254 mm (0.010 in) thick

Magnetic Acoustic Resonator

Proprietary resonant magnetic material. Amorphous alloy based on iron, containing nickel, cobalt, boron and silicon

Laminate

Low-density polyethylene/polyester polyethylene 0.101 mm (0.004 in)

Bias

Proprietary semi-hard magnetic material containing iron and nickel

Adhesive

Double-coated, rubber-based adhesive:

- 2.4 mm thick per side
- Minimum peel strength of 2.27 kg/5 lb

Release Liner

Double-sided, silicon-coated 80 lb bleached Kraft liner 0.114 mm (0.0045 in) thick.

Bag Specifications	
	APX Hang Label
PRODUCT CODE	ZLAPXHT1
Case weight	0.68 kg (1.49 lb)
External carton dimensions	279 x 202 x 95 mm (10.9 x 7.95 x 3.74 in)
External cubic ft. per case	0.19
Internal carton dimensions	275 x 197 x 90 mm (10.83 x 7.76 x 3.54 in)
Internal cubic ft. per case	0.17
Cases per pallet	144
Order multiple	1,000-unit case (10 bags of 100 labels each)

Note:
warranty terms and conditions are as specified in the applicable Sales Agreement.



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The Advanced Performance Xtreme (APX) Sheet Label delivers top-of-the-range performance and superior merchandise protection using proven Sensormatic technology.

The APX Individual Sheet Label is a permanent source-tagged label intended for manual application directly to the product or product packaging. This label is not designed to be 'dropped' into the product or product packaging.

Retailer Values

- Permanent source tag label is manually applied to product/ product packaging
- Utilises proven Sensormatic AM technology and manufacturing process to provide reliable detection performance
- Quality materials and precision manufacturing help to deliver consistent deactivation at the POS
- Small label footprint minimises impact on brand promotion and important product information
- Robust construction provides optimal merchandise protection

Product Code

ZLAPXSING1

Technology

Acousto-Magnetic (AM)

Product Compatibility

Sensormatic AM detection and deactivation devices.

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 50°C (122°F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 50°C (122°F), up to 96 hours.

Shelf Life

Two years from date of manufacture when labels are stored between 15°C-32°C (60°F-90°F), 30-80% RH.

Application Method

Hand

Dimensions

Colour..... White

Length 45.21mm ± 0.5mm
(1.78in ± 0.020in)

Width 10.67 mm ± 0.5 mm
(0.420 in ± 0.020 in)

Label Thickness

(excluding liner) Max. 1.89 mm± 1.55 mm
(0.074 in ± 0.061 in)

(including liner) Maximum 2.00 mm
(0.079 in)

Labels per sheet..... 54

Construction Materials

Plastic substrate

Polystyrene/polyethylene 0.254 mm (0.010 in) thickness

Magnetic Acoustic Resonator

Proprietary resonant magnetic material. Amorphous alloy based on iron, containing nickel, cobalt, boron and silicon

Laminate

Low-density polyethylene/polyester 0.101 mm (0.004 in)

Bias

Proprietary semi-hard magnetic material containing iron and nickel

Adhesive

Self-wound tape with removable adhesive

Sheet Specifications	
	Sheet
PRODUCT CODE	ZLAPXSING1
Case weight	2.372 kg (5.23 lb)
External carton dimensions	27.9 x 20 x 10.6 cm (11 x 8 x 2 in)
External cubic ft. per case	0.21
Cases per pallet	144
Order multiple	5,000-unit case

Note:
warranty terms and conditions are as specified in the applicable Sales Agreement.



CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



The APX Insertable Label delivers top-of-the-range performance and superior merchandise protection using proven Sensormatic AM technology. This AM EAS label provides exceptional range, sensitivity, tamper resistance and consistent deactivation at the point of sale (POS) with virtually no nuisance alarms detected at the exit. The APX Insertable label is designed to be inserted into plastic shrink-wrapped packaging such as skin care and perfume boxes. It should not be inserted into products intended for children's use. The design is intended for hand application.

Retailer Values

- Ideal for skin care and perfume boxes or other plastic shrink-wrapped packages
- Utilises proven Sensormatic AM technology and manufacturing process to provide the highest level of detection performance
- Quality materials and precision manufacturing help to deliver consistent deactivation at the POS
- Reactivable for unlimited reuse
- Works well on liquids, foils and in metal shopping trolleys
- Robust construction provides optimal merchandise protection

Product Code

ZLAPXCI5K2

Technology

Acousto-Magnetic (AM)

Product Compatibility

Sensormatic AM detection and deactivation devices

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 50°C (122°F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 50°C (122°F), up to 96 hours.

Shelf Life

Two years from date of manufacture
when labels are stored between
15°C-32°C (60°F-90°F), 30-80% RH.

Application Method

Hand

Dimensions

Colour White with barcode
Length 52mm $\pm$ 0.5mm
(2.04in $\pm$ 0.019in)
Width 10.85 mm $\pm$ 0.5 mm
(0.425 in $\pm$ 0.020 in)
Labels per bag 1,000

Construction Materials

Plastic substrate

Polystyrene/polyethylene 0.254 mm
(0.010 in) thick

Magnetic Acoustic Resonator

Proprietary resonant magnetic material. Amorphous alloy based on iron, containing nickel, cobalt, boron and silicon

Laminate

Low-density polyethylene/polyester
polyethylene 0.101 mm (0.004 in)

Ridged Point

Acetal

0.39 - 0.40 mm (0.015 -0.0155 in)

Bias

Proprietary semi-hard magnetic material containing iron and nickel

Specifications

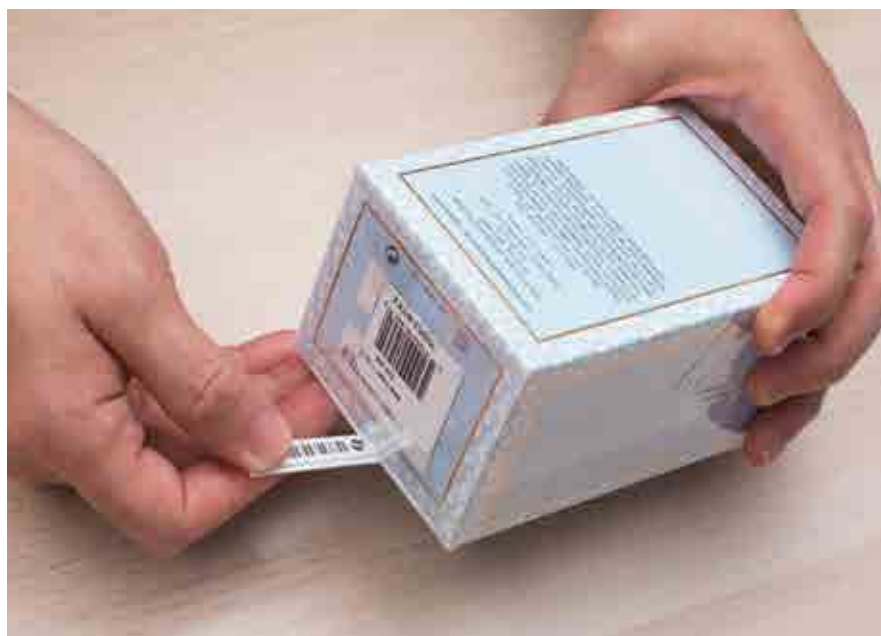
	APX Insertable Label
PRODUCT CODE	ZLAPXCI5K2
Case weight	4.01 kg (8.84 lb)
External carton dimensions	279 x 202 x 207mm (10.98 x 7.95 x 8.15in)
External cubic ft. per case	0.41
Internal carton dimensions	275 x 197 x 202mm (10.83 x 7.76 x 7.95in)
Internal cubic ft. per case	0.39
Cases per pallet	80
Order multiple	5,000-unit case (5 bags of 1,000 labels per case)

Additional Consideration

- Product is for the European market only. Not for use in the USA
- Placement of labels is to be in accordance with the Product Usage Guidelines located in each box

Note:

warranty terms and conditions are as specified in the applicable Sales Agreement.



CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



The APX Non-Adhesive Roll Label delivers top-of-the-range performance and superior merchandise protection using proven Sensormatic technology. The APX Non-Adhesive Roll Label provides exceptional range, sensitivity, tamper resistance and detection, plus consistent deactivation at the point of sale (POS) with virtually no nuisance alarms.

This robust and stable AM EAS label operates efficiently after exposure to environmental stressors, including shipping and handling. Ideal for bagged applications, this non-adhesive label can also be sourced at the point of manufacture so retailers can receive floor-ready merchandise with consistent label placement, expediting receiving and sales floor fulfilment.

Retailer Values

- Ideal for effectively protecting packaged items such as fasteners, nuts and bolts
- The label can be conveniently dropped into a sealed pack to help reduce the likelihood of it being removed or tampered with
- Suitable for source tagging applications, allowing protection of hard-to-protect items

Product Code

Large Roll

ZLAPX7K51-NAL: white

Technology

Acousto-Magnetic (AM)

Product Compatibility

Sensormatic AM detection and deactivation devices.

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 93°C (200° F) at 60% RH.

Humidity

Unaffected by 93°C (200°F) at 60% RH.

Shelf Life

One year from the date of manufacture when labels are stored at 21°C (70°F) and between 40-60% RH.

Application Method

Automatic

Construction Materials

Plastic substrate

Polystyrene/polyethylene 0.254 mm (0.010 in) thick

Magnetic Acoustic Resonator

Proprietary resonant magnetic material. Amorphous alloy based on iron, containing nickel, cobalt, boron and silicon

Dimensions

Colour White
 Length 44.6mm $\pm$ 0.15mm
 (1.76in $\pm$ 0.006in)
 Width 10.16 mm $\pm$ 0.15 mm
 (0.40 in $\pm$ 0.006 in)

Label Thickness

(excluding liner).....Maximum 1.73 mm
 (0.068 in)
 (including liner) Maximum 1.78 mm
 (0.070 in)
 Liner width.....48.64 mm $\pm$ 0.75 mm
 (1.915 in $\pm$ 0.030 in)
 Label repeat.....14.73 mm $\pm$ 0.75 mm
 (0.580 in $\pm$ 0.030 in)

Label to Liner Spacing

Large.....2.02 mm $\pm$ 0.75 mm

Construction Materials

Laminate

Low-density polyethylene/polyester
 polyethylene 0.101 mm (0.0040 in)

Bias

Proprietary semi-hard magnetic
 material containing iron and nickel

Adhesive

Water-based acrylic general-purpose
 permanent PSA

Release Liner

PET (polyethylene) film, silicone
 treated 0.0508 mm + - 10% thick

Roll Specifications

	Large Roll
PRODUCT CODES	ZLAPX7K51-NAL
Diameter of core	152.4 mm (6 in) core*
Max. roll diameter	500 mm (19.7 in)
Number splices	7 splices, 1 leader splice
Roll weight	3.376 kg (7.44 lb)
Case weight	15.49 kg (34.15 lb)
External carton dimensions	51.8 x 51.8 x 25.4cm (20.38 x 20.38 x 10in)
External cubic ft. per case	2.4
Roll size	7,500-unit roll
Rolls per case	4
Cases per pallet	16



Note:

warranty terms and conditions are
 as specified in the applicable Sales
 Agreement.

CE This product complies with
 Directive 2011/65/EU (RoHS 2),
 2015/863 (RoHS 3) concerning
 restriction on the use of certain
 hazardous substances in electrical
 and electronic equipment (RoHS).



The Advanced Performance (AP) Roll Label delivers reliable performance and merchandise protection using proven Sensormatic technology. This AM EAS label features a robust design for consistent deactivation at the point of sale (POS) and reliable performance, even when exposed to environmental stressors including shipping and handling. This label is designed for automatic application to merchandise at the point of manufacture so retailers can receive floor-ready merchandise with consistent label placement, expediting receiving and sales floor fulfilment.

Retailer Values

- Utilises proven Sensormatic AM technology and manufacturing process to provide reliable detection performance
- Application at the source allows merchandise to arrive tagged and shelf-ready, moving faster from receiving to sales floor
- Better label adhesion ensures durability and longevity on merchandise during shipping, storage and handling
- Permits open merchandising while still combating theft
- Quality materials and precision manufacturing help to deliver consistent deactivation at the POS
- Small label footprint minimises impact on brand promotion and important product information
- Works well when placed on liquids, foils and in metal shopping trolleys
- Reactivable for unlimited reuse

Product Codes

Small Roll: ZLAP2K1: white

Large Roll: ZLAP85K1: white

Technology

Acousto-Magnetic (AM)

Product Compatibility

Sensormatic AM detection and deactivation devices.

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 50°C (122°F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 50°C (122°F), up to 96 hours.

Shelf Life

Small Roll

Two years from date of manufacture when labels are stored between 15°C-32°C (60°F-90°F), 30-80% RH.

Large Roll

One year from date of manufacture when labels are stored between 15°C-32°C (60°F-90°F), 30-80% RH.

Application Method

Small Roll: Hand or tabletop

Large Roll: Automatic

Dimensions

Colour White

Length 44.6mm ± 0.15mm
(1.76in ± 0.006in)

Width 10.16 mm ± 0.15 mm
(0.40 in ± 0.006 in)

Label Thickness

(excluding liner).....Maximum 1.73 mm
(0.068 in)

(including liner) Maximum 1.78 mm
(0.070 in)

Liner width.....48.64 mm ± 0.75 mm
(1.915 in ± 0.030 in)

Label repeat.....14.73 mm ± 0.75 mm
(0.580 in ± 0.030 in)

Label to Liner Spacing

Large.....02 mm ± 0.75 mm

Small ± 2.0 mm (0.080 in ± 0.030 in)

Roll Specifications

	Small Roll	Large Roll
PRODUCT CODE	ZLAP2K1	ZLAP85K1
Diameter of core	76.2 mm (3 in) core	152.4 mm (6 in) core*
Max. roll diameter	230 mm (9.05 in)	470 mm (18.5 in)
Number splices	3 splices, 1 leader splice	5 splices, 1 leader splice
Roll weight	0.78 kg (1.71 lb)	3.40 kg (7.62 lb)
Case weight	4.72 kg (10.40 lb)	15.42 kg (33.92 lb)
External carton dimensions	27.6 x 24.5 x 30.5cm (10.88 x 9.63 x 12in)	51.8 x 51.8 x 25.4cm (20.38 x 20.38 x 10in)
External cubic ft. per case	0.73	2.4
Roll size	2,000-unit roll	8,500-unit roll
Rolls per case	5	4
Cases per pallet	45	16

*Includes 3 in core adapter

Construction Materials

Plastic substrate

Polystyrene/polyethylene 0.254 mm (0.010 in) thick

Magnetic Acoustic Resonator

Proprietary resonant magnetic material. Amorphous alloy based on iron, containing nickel, cobalt, boron and silicon

Laminate

Low-density polyethylene/polyester polyethylene 0.101 mm (0.0040 in)

Bias

Proprietary semi-hard magnetic material containing iron and nickel

Adhesive

Double-coated, rubber-based adhesive:

- 2.4 mm thick per side
- Minimum peel strength of 2.27 kg/5 lb

Release Liner

PET (Polyethylene) film silicone treated 0.0508mm + - 10% thick

Note:

warranty terms and conditions are as specified in the applicable Sales Agreement.



CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



The Advanced Performance (AP) Sheet Label delivers reliable performance and merchandise protection using proven Sensormatic technology. This AM EAS label features a robust design for consistent deactivation at the point of sale (POS) and reliable performance, even when exposed to environmental stressors including shipping and handling.

Available for in-store hand application, this label can also be applied to merchandise at the point of manufacture so that retailers can receive floor-ready merchandise with consistent label placement, expediting receiving and sales floor fulfilment.

Retailer Values

- Utilises proven Sensormatic AM technology and manufacturing process to provide reliable detection performance
- Quality materials and precision manufacturing help to deliver consistent deactivation at the POS
- Small label footprint minimises impact on brand promotion and important product information
- Robust construction provides optimal merchandise protection
- Works well on liquids, foils and in metal shopping trolleys
- Reactivable for unlimited reuse

Product Codes

- ZLAPS1: white
- ZLAPS2: mock barcode
- ZLAPS5: black

Technology

Acousto-Magnetic (AM)

Product Compatibility

Sensormatic AM detection and deactivation devices.

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 50°C (122° F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 50°C (122°F), up to 96 hours.

Shelf Life

Two years from date of manufacture when labels are stored between 15°C-32°C (60°F-90°F), 30-80% RH.

Application Method

Hand

Dimensions

Colour White, Mock barcode, Black

Length 45.21mm ± 0.5mm
(1.78in ± 0.020in)

Width 10.67 mm ± 0.5 mm
(0.420 in ± 0.020 in)

Label Thickness

(excluding liner)..... Maximum 0.89mm
(0.074in)

(including liner) Maximum 2.00 mm
(0.079 in)

Labels per sheet..... 108

Construction Materials

Plastic substrate

Polystyrene/polyethylene 0.254 mm (0.010 in) thick.

Magnetic Acoustic Resonator

Proprietary resonant magnetic material. Amorphous alloy based on iron, containing nickel, cobalt, boron and silicon

Laminate

Low-density polyethylene/polyester polyethylene 0.101 mm (0.0040 in)

Bias

Proprietary semi-hard magnetic material containing iron and nickel

Adhesive

Double-coated, rubber-based adhesive:

- 2.4 mm thick per side
- Minimum peel strength of 2.27 kg/5 lb

Release Liner

Double-sided, silicon-coated 80 lb bleached Kraft liner 0.114 mm

Sheet Specifications	
	Sheet
PRODUCT CODE	ZLAPS1, ZLAPS2
Case weight	2.205 kg (4.86 lb)
External carton dimensions	27.9 x 20 x 11 cm (11 x 8 x 4.5 in)
External cubic ft. per case	0.23
Cases per pallet	160
Order multiple	5,000-unit case

Additional Consideration
This label is not recommended for use with the Sensormatic Contact Pad deactivator.

Note:
warranty terms and conditions are as specified in the applicable Sales Agreement.



CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



The Advanced Performance (AP) Singular Label delivers reliable performance and merchandise protection using proven Sensormatic technology. This AM EAS label features a robust design for consistent deactivation at the point of sale (POS) and reliable performance, even when exposed to environmental stressors including shipping and handling. Ideal for drop-in applications such as handbags or wallets, this singular label can also be sourced at the point of manufacture so retailers can receive floor-ready merchandise with consistent label placement, expediting receiving and sales floor fulfilment.

Retailer Values

- Utilises proven Sensormatic AM technology and manufacturing process to provide reliable detection performance
- Quality materials and precision manufacturing help to deliver consistent deactivation at the POS
- Robust construction provides optimal merchandise protection
- Reactivable for unlimited reuse

Product Code

ZLAPSING1: white

Technology

Acousto-Magnetic (AM)

Product Compatibility

Sensormatic AM detection and deactivation devices.

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 50°C (122° F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 50°C (122°F), up to 96 hours.

Shelf Life

Two years from date of manufacture when labels are stored between 15°C-32°C (60°F-90°F), 30-80% RH.

Application Method

Hand

Dimensions

Colour White
 Length 45.21mm ± 0.5mm
 (1.78in ± 0.020in)
 Width 10.67 mm ± 0.5 mm
 (0.420 in ± 0.020 in)

Label Thickness

(excluding liner)..... Maximum 0.89mm
 (0.074in)
 (including liner) Maximum 2.00 mm
 (0.079 in)
 Labels per bag 1,000

Construction Materials

Plastic substrate

Polystyrene/polyethylene 0.254 mm (0.010 in) thick.

Magnetic Acoustic Resonator

Proprietary resonant magnetic material. Amorphous alloy based on iron, containing nickel, cobalt, boron and silicon

Laminate

Low-density polyethylene/polyester polyethylene 0.101 mm (0.0040 in)

Bias

Proprietary semi-hard magnetic material containing iron and nickel

Adhesive

Double-coated, rubber-based adhesive:

- 2.4 mm thick per side
- Minimum peel strength of 2.27 kg/5 lb

Release Liner

Double-sided, silicon-coated 80 lb bleached Kraft liner 0.114 mm

Case Specifications

	Singular
PRODUCT CODE	ZLAPSING1
Case weight	2.372 kg (5.23 lb)
External carton dimensions	27.5 x 19.7 x 19.7cm (10.82 x 7.75 x 7.75in)
External cubic ft. per case	0.37
Cases per pallet	80
Order multiple	5,000-unit case (5 bags of 1,000 labels per case)

Note:

warranty terms and conditions are as specified in the applicable Sales Agreement.

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



The AP Microwavable Label delivers reliable performance and anti-shoplifting protection in a small footprint. This label is designed to help protect high-theft items, such as expensive meat, fish and shellfish, to help reduce shrink and positively impact the retailer's bottom line. It is designed for high-speed application in meat soaker pads and trays, and under prime labels for inconspicuous protection.

Retailer Values

- Utilises proven Sensormatic AM technology and manufacturing processes to provide reliable detection performance
- Configured for source-tagging applications in meat soaker pads and trays, and under prime labels for inconspicuous protection
- Designed for food products that will be microwaved
- No detection interference caused by meat or fish products
- Robust construction provides optimal merchandise protection

Product Code

ZLAPM7K3

Technology

Acousto-Magnetic (AM)

Product Compatibility

Sensormatic AM detection and deactivation devices

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 50°C (122°F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 50°C (122°F), up to 96 hours.

Shelf Life

One year from date of manufacture when labels are stored between 15°C-32°C (60°F-90°F), 30-80% RH.

Application Method

Automatic

Dimensions

Colour White

Length 44.60mm ± 0.15mm
(1.76in ± 0.006in)

Width 10.16 mm ± 0.15 mm
(0.40 in ± 0.006 in)

Label Thickness

(excluding liner).....Maximum 1.73 mm
(0.068 in)

(including liner) Maximum 1.78 mm
(0.070 in)

Liner width.....48.64 mm ± 0.75 mm
(1.915 in ± 0.030 in)

Label repeat.....14.73 mm ± 0.75 mm
(0.580 in ± 0.030 in)

Label to Liner Spacing

2.02 mm ± 0.75 mm (0.079 ± 0.029)

Additional Consideration

The label must be applied to packaging containing meat weighing at least 227 grams (0.5 lb) or more to be microwavable

Construction Materials

Plastic substrate

Polystyrene/polyethylene 0.254 mm (0.010 in) thick

Magnetic Acoustic Resonator

Proprietary resonant magnetic material. Amorphous alloy based on iron, containing nickel, cobalt, boron and silicon

Laminate

Low-density polyethylene/polyester polyethylene 0.101 mm (0.0040 in)

Bias

Proprietary semi-hard magnetic material containing iron and nickel

Adhesive

Double-coated, rubber-based adhesive:

- 2.4 mm thick per side
- Minimum peel strength of 2.27 kg/5 lb

Release Liner

PET (polyethylene) film, silicone treated 0.0508 mm + - 10% thick

Note:

warranty terms and conditions are as specified in the applicable Sales Agreement.

Roll Specifications

	Roll
PRODUCT CODE	ZLAPM7K3
Diameter of core	152.4 mm (6 in) core*
Max. roll diameter	500 mm (19.7 in)
Number splices	5 splices, 1 leader splice
Roll weight	3.376 kg (7.44 lb)
Case weight	15.49 kg (34.15 lb)
External carton dimensions	51.8 x 51.8 x 25.4cm (20.38 x 20.38 x 10in)
External cubic ft. per case	2.4
Roll size	7,000-unit roll
Rolls per case	4
Cases per pallet	16

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



The Value Performance Label (VPL) delivers reliable performance and merchandise protection using proven Sensormatic technology. This AM EAS label is designed for consistent deactivation at the point of sale (POS) and reliable performance, even when exposed to environmental stressors including shipping and handling. Available for in-store hand application, this label can also be applied to merchandise at the point of manufacture so retailers can receive floor-ready merchandise with consistent label placement to help expedite receiving and sales floor fulfilment.

Retailer Values

- Utilises proven Sensormatic AM technology and manufacturing process to provide reliable detection performance
- Helps to deliver consistent deactivation at the POS with quality materials and precision manufacturing
- Minimises impact on brand promotion and important product information
- Features robust construction for reliable merchandise protection
- Works well on liquids, foils and in metal shopping trolleys
- Reactivable for unlimited reuse

Product Codes

- ZLVPLS1: white
- ZLVPLS2: mock barcode
- ZLVPLS5: black

Technology

Acousto-Magnetic (AM)

Product Compatibility

Sensormatic AM detection and deactivation devices.

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 50°C (122°F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 50°C (122°F), up to 96 hours.

Shelf Life

Two years from date of manufacture when labels are stored between 15°C-32°C (60°F-90°F), 30-80% RH.

Application Method

Hand

Dimensions

Colour White, Mock Barcode and Black
Length 45.21 mm ± 0.5 mm
(1.78 in ± 0.020 in)

Width 10.67 mm ± 0.5 mm
(0.420 in ± 0.020 in)

Label Thickness

(excluding liner).....Maximum 1.89 mm
(0.074 in)

(including liner) Maximum 2.00 mm
(0.079 in)

Labels per sheet..... 108

Construction Materials

Plastic substrate

Polystyrene/polyethylene 0.254 mm (0.010 in) thick.

Magnetic Acoustic Resonator

Proprietary resonant magnetic material. Amorphous alloy based on iron, containing nickel, cobalt, boron and silicon

Laminate

Low-density polyethylene/polyester 0.101 mm (0.0040 in)

Bias

Proprietary semi-hard magnetic material containing iron and nickel

Adhesive

Double-coated, rubber-based adhesive

- 2.4 mm thick per side
- Minimum peel strength of 2.27 kg/5 lb

Release Liner

Double-sided, silicon-coated 80 lb bleached Kraft liner 0.114 mm (0.0045 in) thick

Sheet Specifications	
	Sheet
PRODUCT CODE	ZLVPLS1, ZLVPLS2
Case weight	2.76 kg (6.07 lb)
External carton dimensions	27.9 x 20 x 11 cm (11 x 8 x 4.5 in)
External cubic ft. per case	0.23
Cases per pallet	255
Order multiple	5,000-unit case

Note:
warranty terms and conditions are as specified in the applicable Sales Agreement.



CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



The RF 33 mm round label delivers dependable performance and merchandise protection using RF technology. The label's small footprint minimises impact on brand promotion and important product information, allowing application on virtually any package size.

This label is designed for automatic application at the point of manufacture. When applied to merchandise at the point of manufacture, retailers receive floor-ready merchandise with consistent label placement to expedite receiving and sales floor fulfilment.

Retailer Values

- Provides visual deterrence while minimising impact on brand promotion and important product information
- Protects merchandise by tagging at the point of manufacture so merchandise arrives shelf-ready
- Permits open merchandising while still combating theft

Product Codes

Small Roll

- XL33R-CLR2KLU2 – Clear
- XL33R-DBL2KAL – Custom Print

Large Roll

- XL33R-CLR8KLU – Clear

Technology

Radio Frequency (RF)

Product Compatibility

Sensormatic RF detection and deactivation devices.

Environmental Constraints

Temperature

12°-25°C (54°-77°F)

Humidity

55% maximum

Shelf Life

Two years from date of manufacture when labels are stored between 12°-25°C (54°-77°F).

Application Method

Small Roll: Hand or tabletop

Large Roll: Automatic

Dimensions

Colour Clear, Custom Print

Diameter 33 mm ± 0.5 mm
(1.30 in ± 0.0197 in)

Thickness 0.20 mm ± 0.020 mm
(0.0078 in ± 0.0008 in)

Liner width 36 mm ± 1.0 mm
(1.42 in ± 0.0394 in)

Label to liner spacing, 2.9 mm ± 0.5 mm
(0.114 in ± 0.0197 in)

Construction Materials

70µm AL+8µm CPP+10µmAL

Hot Melt Adhesive

934E Henkel

Note:

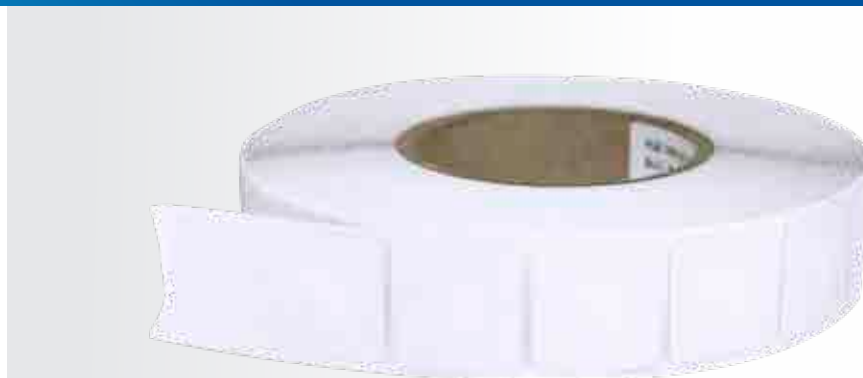
warranty terms and conditions are as specified in the applicable Sales Agreement.

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).

Roll Specifications

Product Codes	XL33R-CLR2KLU2	XL33R-DBL2KAL	XL33R-CLR8KLU
Diameter of core	76 mm (2.9 in) core	76 mm (2.9 in) core	76 mm (2.9 in) core
Max. roll diameter	171 mm (6.73 in)	171 mm (6.73 in)	288 mm (11.33 in)
Number splices	10 maximum	10 maximum	10 maximum
Roll weight	0.67 kg (1.477 lb)	0.67 kg (1.477 lb)	2.50 kg (5.511 lb)
Case weight (gross)	7.45 kg (16.42 lb)	7.45 kg (16.42 lb)	13.70 kg (30.195 lb)
External carton dimensions	40 x 21 x 24cm (15.75 x 8.27 x 9.45in)	18.5 x 34 x 20.5cm (7.28 x 13.39 x 8.07in)	33 x 33 x 21cm (12.99 x 12.99 x 8.26in)
External cubic ft. per case	0.71	0.46	0.808
Labels per roll	2000	2000	8000
Rolls per case	10	10	10
Cases per pallet	50	108	54





The RF 30x30 mm label delivers dependable performance and merchandise protection using RF technology. The label's small footprint minimises impact on brand promotion and important product information, allowing application on virtually any package size.

When applied to merchandise at the point of manufacture, retailers receive floor-ready merchandise with consistent label placement to expedite receiving and sales floor fulfilment.

Retailer Values

- Provides visual deterrence while minimising impact on brand promotion and important product information
- Protects merchandise by tagging at the point of manufacture so merchandise arrives shelf-ready
- Permits open merchandising while still combating theft

Product Codes

Large Roll

XL30-DPW8KAL: white

Technology

Radio Frequency (RF)

Environmental Constraints

Temperature

12°-25°C (54°-77°F)

Humidity

55% maximum

Shelf Life

Large Rolls

Two years from date of manufacture when labels are stored between 12°-25°C (54°-77°F).

Application Method

Large Roll: Automatic

Dimensions

XL30-DPW8KAL

Colour White

Length 30mm (1.18in)

Width 30 mm (1.18 in)

Thickness 0.25 mm (0.010 in)

Liner width 32 mm (1.26 in)

Label to liner spacing 2.5 mm
(0.098 in)

Construction Materials

Large Rolls

XL30-DPW8KAL

70µm AL+13µm CPP+10µm AL

XL30-DPW8KAL

H4185-adv Bostik

Note:

warranty terms and conditions are as specified in the applicable Sales Agreement.

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).

Roll Specifications			
	Large Roll		Large Roll
PRODUCT CODES	XL30-DPW8KAL	PRODUCT CODE	XL30-DPW8KAL
Diameter of core	150 mm (5.9 in)	External carton dimensions	37 × 37 × 20cm (14.57 x 14.57 x 7.87 in)
Max. roll diameter	342 mm (13.46 in)	External cubic ft. per case	0.97
Number splices	6 maximum	Labels per roll	8000
Roll weight	2.6 kg (5.73 lb)	Rolls per case	5
Case weight (gross)	13.75 kg (30.31 lb)	Cases per pallet	30





The RF 40x40 mm label delivers dependable performance and merchandise protection using RF technology. The label's small footprint minimises impact on brand promotion and important product information, allowing application on virtually any package size.

This label is available in three sizes. The small rolls are designed for hand and tabletop application and the large rolls are for automatic application at the point of manufacturing. When applied to merchandise at the point of manufacture, retailers receive floor-ready merchandise with consistent label placement to expedite receiving and sales floor fulfilment.

Retailer Values

- Provides visual deterrence while minimising impact on brand promotion and important product information
- Protects merchandise by tagging at the point of manufacture so merchandise arrives shelf-ready
- Permits open merchandising while still combating theft

Product Codes

Small Roll

- XL40-DPW2KLU2: white
- XL40-DBC2KLU2: mock barcode

Large Roll

- XL40-DPW4KAL: white
- XL40-DPW8KLU: white

Technology

Radio Frequency (RF)

Environmental Constraints

Temperature

12°-25°C (54°-77°F)

Humidity

55% maximum

Shelf Life

Small and Large Rolls

Two years from date of manufacture when labels are stored between 12°-25°C (54°-77°F).

Application Method

Small Roll

Hand or tabletop

Large Roll

Automatic

Dimensions

Colour White, Mock Barcode

Length 40mm ± 0.5mm
(1.57in ± 0.0197in)

Width 40 mm ± 0.5 mm
(1.57 in ± 0.0197 in)

Thickness 0.23 mm ± 0.05 mm
(0.0091 in ± 0.0020 in)

Liner width..... 43 mm ± 1.0 mm
(1.69 in ± 0.0394 in)

Label to Liner Spacing .3 mm ±0.5 mm
(0.12 in ± 0.0197)

Construction Materials

Small & Large Rolls

70µm AL+15µm CPP+10µm AL

XL40-DPW4KAL

50µmAL+15µm CPP +10µmAL

Hot Melt Adhesive

934E Henkel

XL40-DPW4KAL

Bostik 4185

Note:

warranty terms and conditions are as specified in the applicable Sales Agreement.

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).

Roll Specifications							
	Small Roll	Large Roll	Large Roll		Small Roll	Large Roll	Large Roll
PRODUCT CODES	XL40-DPW2KLU2 XL40-DBC2KLU2	XL40-DPW4KAL	XL40-DPW8KLU	PRODUCT CODES	XL40-DPW2KLU2 XL40-DBC2KLU2	XL40-DPW4KAL	XL40-DPW8KLU
Diameter of core	76 mm (2.9 in) core	76 mm (2.9 in) core	76 mm (2.9 in) core	External carton dimensions	48 x 21 x 22 cm (18.89 x 8.26 x 8.66 in)	24 x 24 x 24 cm (9.44 x 9.44 x 9.44 in)	39 x 39 x 26 cm (15.35 x 15.35 x 10.23 in)
Max. roll diameter	185 mm (7.28 in)	221 mm (8.70 in)	360 mm (14.16 in)	External cubic ft. per case	0.78	0.49	1.22
Number splices	10 maximum	6 maximum	10 maximum	Labels per roll	2000	4000	8000
Roll weight	1.09 kg (4.40 lb)	1.65 kg (3.637 lb)	3.89 kg (8.582 lb)	Rolls per case	10	5	5
Case weight (gross)	11.63 kg (25.64 lb)	9.2 kg (20.28 lb)	20.45 kg (45.06 lb)	Cases per pallet	50	84	30





The RF Food label delivers dependable performance and merchandise protection for high-value foods such as meat, small goods and seafood, which are increasingly targeted by thieves. This label helps food retailers to improve on-shelf availability and increase sales.

Hidden under the price weight label, if non-deactivated protected merchandise goes through an RF electronic article surveillance (EAS) pedestal it will activate the alarm and alert personnel of an attempted theft. The label is food safe so there is no concern as to whether it will damage food products.

Available for in-store hand application, the RF Food label can also be applied to merchandise at the point of manufacture. This allows retailers to receive floor-ready merchandise with consistent label placement to help expedite receiving and sales floor fulfilment.

Retailer Values

- Provides dependable protection, enabling food retailers to improve on-shelf availability and increase sales
- Protects merchandise by tagging at the point of manufacture so merchandise arrives shelf-ready
- Permits open merchandising while combating theft
- Microwave (SGS) Certified
- Indirect Food Contact (ISEGA) Certified

Product Codes

- XL40FL-CLR1KAL: Small Roll
- XL40FL-CLR4KAL: Large Roll

Technology

RF (8.2 MHz +/- 5%)

Product Compatibility

Sensormatic RF detection and deactivation devices.

Certifications

Microwave (SGS)

Indirect Food Contact (ISEGA)

Environmental Constraints

Temperature

18°-30°C (64°-86°F)

Humidity

55% maximum

Shelf Life

Two years from date of manufacture when labels are stored between 18°-30°C (64°-86°F).

Application Method

Small Roll

Hand or tabletop

Large Roll

Automatic

Dimensions

Colour Clear

Length 40mm ± 0.5mm
(1.57in ± 0.0197in)

Width 40 mm ± 0.5 mm
(1.57 in ± 0.0197 in)

Thickness 0.20 mm ± 0.015 mm
(0.0078 in ± 0.0006 in)

Liner width 42 mm ± 1.0 mm
(1.65 in ± 0.0394 in)

Liner to liner spacing .. 2.45 mm ± 0.5 mm
(0.096 in ± 0.0197 in)

Construction Materials

50µm AL+13µm CPP+10µm AL

Hot Melt Adhesive

H4185-adv Bostik

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).

Roll Specifications

	Small Roll	Large Roll		Small Roll	Large Roll
PRODUCT CODE	XL40FL-CLR1KAL	XL40FL-CLR4KAL	PRODUCT CODE	XL40FL-CLR1KAL	XL40FL-CLR4KAL
Diameter of core	76.2 mm (3 in) core	76.2 mm (3 in) core	External carton dimensions	31.9X31.8X23cm (12.56X12.52X9.06in)	23X23X23cm (9.06X9.06X9.06in)
Max. roll diameter	136 mm (5.35 in)	228 mm (8.98 in)	External cubic ft. per case	0.82	0.43
Number splices	3 maximum	6 maximum	Labels per roll	1000	4000
Roll weight	0.44 kg (0.97 lb)	1.75 kg (3.86 lb)	Rolls per case	20	5
Case weight (gross)	9.77 kg (21.53 lb)	9.77 kg (21.53 lb)	Cases per pallet	42	84





Adjustable Multi-Purpose Safers



The Sensormatic AM/RF EAS Adjustable Multi-Purpose Safers are the ideal solution for the open merchandising of high-theft products such as perfumes, cosmetics, iPods, MP3 players, razor blades and ink cartridges. The reusable safers protect products in secure housing, integrated with Sensormatic Non-Deactivatable EAS labels, providing the highest level of anti-theft protection. These transparent, height-adjustable locking devices keep high-value, high-theft items secure and accessible, letting retailers open-merchandise products with confidence. The safers alarm the Sensormatic AM and RF pedestal systems if protected products pass through the detection zone.

Retailer Values

- Promotes open merchandising for perfume, cosmetics, iPods, MP3 players, ink cartridges, razor blades and more, for increased sales
- Provides superior protection and optimal merchandising, allowing shoppers to easily view and purchase items
- Easy application and removal helps to improve store operations
- Constructed in clear high-grade polycarbonate, the material is scratch-resistant and will not become cloudy or yellow over time, ensuring attractive product displays
- Built from recyclable materials

Application

Perfume, MP3 players, memory sticks, computer hardware, digital cameras, iPods, ink cartridges, cosmetics, batteries, small electronics, razor blades

Product Compatibility

EAS AM and RF Detection Systems

Detachers

- Magnetic 9 kG Detachers
- Universal Magnetic Detacher

Specifications

Colour Clear
Magnetic Strength 9 kG
Blister Hooks included

Note:

Sensormatic safers are sold by the carton. Cartons cannot be split. Quantities per carton vary by safer model.

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).

Specifications

Product Codes	MSAMRF-9-PRFL	MSAMRF-9-PRFS
Internal dimensions HxWxD	115-175 x 100 x 60mm (4.53-6.9 x 3.94 x 2.36in)	115-165 x 66 x 51mm (4.53 - 6.5 x 2.6 x 2.01in)
External dimensions HxWxD	133-200 x 113 x 80mm (5.24-7.87 x 4.45 x 3.15in)	125-200 x 79 x 70mm (4.92-7.87 x 3.11 x 2.76in)
Per carton	48	72
Carton weight	8.1 kg (17.85 lb)	8.5 kg (18.73 lb)

Specifications

Product Codes	MSAMRF-9-PRFL	MSAMRF-9-PRFS
Internal dimensions HxWxD	100-145 x 120 x 90mm (4.5-7.5 x 4.75 x 3.50in)	140-230 x 65 x 60mm (5.50 - 9 x 2.50 x 2.37in)
External dimensions HxWxD	125-175 x 132 x 111mm (5-6.87 x 5.25 x 4.37in)	162-268 x 78.5 x 80mm (6.37-10.5 x 3 x 3.12in)
Per carton	25	50
Carton weight	6 kg (13.22 lb)	8.2 kg (18.07 lb)

Specifications

Product Codes	MSAMRF-9-PRFL	MSAMRF-9-PRFS	MSAMRF-9-PRFK
Internal dimensions HxWxD	132-223 x 78 x 70mm (5.20-8.78 x 3.07 x 2.76in)	83-143 x 114 x 114mm (3.28-5.63 x 4.49 x 4.49in)	53-99 x 42 x 48mm (2.09-3.90 x 1.65 x 1.89in)
External dimensions HxWxD	191-282 x 91 x 91mm (7.51-11.1 x 3.58 x 3.58in)	141-203 x 134 x 128mm (5.55-7.99 x 5.27 x 5.03in)	101-145 x 67 x 55mm (3.97-5.70 x 2.63 x 2.16in)
Per carton	25	25	25
Carton weight	5.1 kg (11.24 lb)	6.6kg (14.55lbs)	2 kg (4.4 lb)

Sensormatic EAS anti-theft detection systems offer superior detection performance at the retail exit. Detection systems are available in a variety of configurations to match store aesthetics and application needs.

As every environment is different, our detection systems are designed to meet the challenges of retail with a full range of configurations including pedestals, concealed and overhead systems, sleek acrylic, outdoor and door-mounted options.

The portfolio ranges from budget-friendly to full-featured systems offering superior performance in high-noise environments, jammer and metal-foil detection to fight organised retail crime, power savings mode, and the integration of video verification of EAS alarm events.

EAS detection systems are available in Acousto-Magnetic (AM), Radio Frequency (RF), and Radio Frequency Identification (RFID).





Delivering next-generation store performance for wide or multiple exits in a sleek, transparent design. The Sensormatic Synergy 2.5 m Acrylic Pedestal is a key element of the Sensormatic Synergy suite. Its thin, narrow, open-frame design is constructed in high-quality acrylic, preserving store aesthetics and delivering the right look for virtually any retail setting. Ideal for wide or multiple exits, this detection system uses Sensormatic AM EAS technology to provide the highest level of theft detection with up to 2.5 m (8 ft 2 in) of coverage between pedestals to maximise customer flow. The integrated audio and visual alarms notify staff if protected merchandise passes through the detection zone. The multiple audio and visual alarms can be customised for different event types, mapping the audio and ambient lighting options to reflect the source of the alert, such as foil-lined bags and jammer devices.

The pedestal features embedded, multiple-beam people-counting sensors designed for optimal accuracy. With the Synergy network card, these sensors provide visibility into shopper visits to enhance store performance and increase conversion rates.

Integrating directional traffic information with EAS alarm events allows the sensors to discern between inbound and outbound traffic, virtually eliminating unintended alarms triggered by shoppers carrying protected merchandise near the pedestals. People-counting sensors also enable a 'power-on-

demand' feature that puts the system into low-power standby mode during periods of low or no traffic activity to reduce power consumption by up to 90%.

To effectively combat Organised Retail Crime, the AMS9060 Controller – part of this flexible and modular system – can be enhanced with the optional integrated Metal Foil Detection plug-in card. The network plug-in card, standard with this pedestal system, delivers remote management, EAS and traffic intelligence.

Through system configuration, 'tags-too-close' is an offered feature developed to help retailers maximise valuable sales floor space near the pedestals. This feature helps to reduce unnecessary and costly service calls and decreases nuisance alarms to enhance the shopper experience. Another standard system-configured feature is Jammer Detection which triggers a pedestal alarm as soon as an electronic signal from a jammer device is detected, helping to eliminate the threat of would-be thieves attempting to defeat the system.

Retailer Values

- Transparent acrylic form factor preserves store aesthetics
- Consistent 2.5 m (8 ft 2 in) global detection performance protects critical assets
- Embedded people-counting sensors capture shopper visits to help maximise store performance
- Optional Metal Foil Detection alerts staff when foil-lined bags or clothing enter the store environment, helping to combat shrink and ORC
- Standard network plug-in card delivers storefront alarm event and traffic intelligence to enhance loss prevention efforts and increase shopper visibility
- 'Tags-too-close' feature helps to reduce unnecessary and costly service calls and maximises valuable sales floor space near the pedestals
- Jammer Detection helps to reduce shrink by notifying staff of attempts to disable the EAS system using a separate audible alarm
- Customisable alarm tones and LED alarm light identify unique events to help reduce shrink
- Remote alarm option alerts staff of alarm events anywhere in store
- Service connection port allows remote diagnostics to help reduce in-store service time

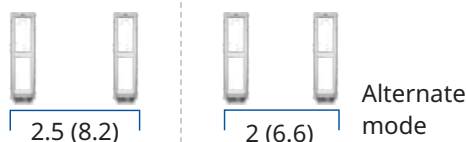
Configurations

Measurements – metres (feet)

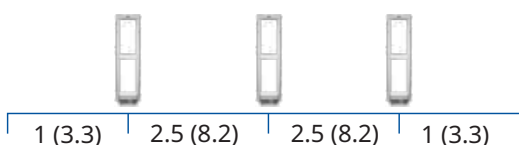
Single



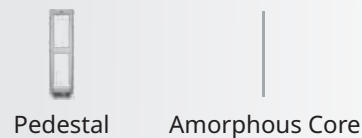
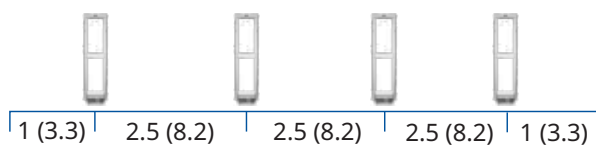
Dual



Split



Quad



Please see hardware add-on options in the Accessory section

Product Codes	Primary 2.5 m Antenna	Single 2.5 m Antenna	Dual 2.5 m Antennas	Split 2.5 m Antennas	Quad 2.5 m Antennas	AMS9060 Controller	Cool Grey	Charcoal
ZS1190-CG	•						•	
ZASE-E25GIA1-12M (12M interconnect)		•				•	•	
ZASE-E25GIA2-12M (12M interconnect)			•			•	•	
ZASE-E25GIA3-12M (12M interconnect)				•		•	•	
ZASE-E25GIA4-12M (12M interconnect)					•	•	•	
ZS1190-CH	•							•
ZASE-E25BIA1-12M (12M interconnect)		•				•		•
ZASE-E25BIA2-12M (12M interconnect)			•			•		•
ZASE-E25BIA3-12M (12M interconnect)				•		•		•
ZASE-E25BIA4-12M (12M interconnect)					•	•		•

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



The Sensormatic Synergy 2.5 m Pedestal combines the power of AM and RFID technology to enable comprehensive store performance. Its thin, narrow, open-frame design is constructed in high-impact ABS, preserving aesthetics and delivering the right look for virtually any retail setting. This detection system features Sensormatic AM EAS technology for the highest level of theft detection with up to 2.5 m (8 ft 2 in) coverage for wide or multiple exits. The integrated audio and visual alarms notify store personnel if protected merchandise passes through the detection zone. The multiple audio and visual alarms can be customised for different event types, mapping the audio and ambient lighting options to reflect the source of the alert, such as foil-lined bags and jammer devices.

The pedestal features embedded, multiple-beam people-counting sensors designed for optimal accuracy. With the Synergy network card, these sensors enable traffic intelligence reports that provide visibility into shopper traffic to enhance store performance and increase conversion rates. Integrating directional traffic information with EAS alarm events allows the sensors to discern between inbound and outbound traffic, virtually eliminating unintended alarms triggered by shoppers carrying protected merchandise near the pedestals. People-counting sensors also enable a 'power-on-demand' feature that puts the system into low-power standby mode during periods of low

or no traffic activity to reduce power consumption by up to 90%.

Compatible with the Sensormatic Synergy RFID Retrofit Panel, this pedestal provides a cost-effective migration to advanced Radio Frequency Identification (RFID) functionality. The easy-to-install upgrade panel delivers an optimal combination of proven Sensormatic AM loss prevention technology with RFID-enabled stock and shrink visibility. When leveraging RFID technology, these flexible and modular pedestals can integrate with surveillance cameras for video verification of EAS alarm events.

To effectively combat Organised Retail Crime, the AMS9060 Controller – part of this flexible and modular system – can be enhanced with the optional integrated Metal Foil Detection plug-in card. The network plug-in card, standard with this pedestal system, delivers remote management, EAS and traffic intelligence.

Through system configuration, 'tags-too-close' is an offered feature developed to help retailers maximise valuable sales floor space near the pedestals. This feature helps to reduce unnecessary and costly service calls and decreases nuisance alarms to enhance the shopper experience. Another system-configured feature is Jammer Detection which triggers a pedestal alarm as soon as an electronic signal from a jammer device is detected, helping to eliminate the threat of would-be thieves using this method.

The optional Advertising Upgrade Kit leverages valuable pedestal real estate at the store entrance to reach a large number of shoppers on the move. The easy-to-install poster helps to attract shoppers with advertisements, modern designs or simple, low-cost printed graphics. This add-on also provides an opportunity to generate additional marketing co-op profit by renting out this valuable advertising space to vendors.

Retailer Values

- Compatible RFID Retrofit Panel provides an easy, cost-effective migration path to advanced RFID functionality to provide stock and shrink visibility
- Consistent 2.5 m (8 ft 2 in) global detection performance protects critical assets
- Embedded people-counting sensors provide traffic intelligence and directionality to calculate conversion rates and maximise store performance
- Optional Metal Foil Detection alerts staff when foil-lined bags or clothing enter the store environment, helping to combat shrink and ORC
- Standard network plug-in card delivers storefront alarm event and traffic intelligence to enhance loss prevention efforts and increase shopper visibility
- 'Tags-too-close' feature helps to reduce unnecessary and costly service calls and maximises valuable sales floor space near the pedestals

- Jammer Detection helps to reduce shrink by notifying staff of attempts to disable the EAS system using a separate audible alarm
- Add-on surveillance cameras provide video verification of EAS alarm events for enhanced shrink visibility
- Optional Advertising Upgrade Kit offers a flexible medium to reach a large number of shoppers where most purchasing decisions are made
- Customisable alarm tones and LED alarm light identify unique events to help reduce shrink
- Remote alarm option alerts staff of alarm events anywhere in store
- Service connection port allows full system software control at any antenna, helping to reduce in-store service time

Required Choices

Base Covers

ZSSB-E1180CG

Cool Grey (Qty 1=1 pair)

ZSSB-E1180CH

Charcoal (Qty 1=1 pair) (Qty 1=1 pair)

ZSSB-E1180-SS

Stainless Steel (Qty 1=1 pair)

ZSSB-E1180-SB

Stainless Steel Black (Qty 1=1 pair)

Base Cover Accent Plate

ZPS-ACCENT-1 with Sensormatic logo

ZPS-ACCENT-4 no logo

Product Compatibility

- Sensormatic AM Sensors
- Amorphous Core Antenna
- Stereo Overhead Traffic Sensor
- Wireless Device Manager
- Wireless module
- Shrink Management as a Service
- Metal Foil Detection Plug-In Card
- Digital Remote Alarm
- Advertising Upgrade Kit
- Sensormatic Synergy RFID retrofit panel

Specifications

Height.....	165 cm (65 in)
Width	41.9 cm (16.5 in)
Depth.....	8.6 cm (3.4 in) (at base w/o covers)
Weight	7.1 kg (15.85 lb) (w/o cover)
Base cover.....	1.7 kg (2.6 lb)
Accent band.....	3.4 kg (7.6 lb)

Electrical

Power Supply

Primary input.....100-120 Vac or
220-240 Vac@50-60 Hz

Primary power fuse
3.15 A, 250 V slo-blow, hi-breaking

(one pedestal only)

Current draw (120V).....0.75Arms

Current draw (240V).....0.37Arms

Input power (120 V)< 57 W

Input power (240 V)<57 W

Transmitter

Operating Frequency....58kHz ± 200Hz
(sync pulse) 56kHz

Transmission burst duration 1.6 ms

Transmission current max. ... 20 A peak

Burst Repetition Rate

Based on 50 Hz ac..... 75 Hz or 37.5 Hz

Based on 60 Hz ac..... 90 Hz or 45 Hz

Receiver

Centre frequency 58 kHz

Environmental Constraints

Ambient temperature

0°C to 50°C (32°F to 122°F)

Relative humidity

0 to 90%, non-condensing

Enclosure Rating

IPXO

Evaluated for altitudes less than
3000 m (9800 ft)

Declarations

EMC

47 CFR, Part 15

EN 300 330-2

EN 301 489-3

EN 301 489-1

EN55022

EN55024

ICES-003

RSS-210

Safety

UL 60950-1 (second edition)

CSA C22.2.60950-1

EN 62368-1

Product Codes	Primary 2.5 m Antenna	Single 2.5 m Antenna	Dual 2.5 m Antennas	Split 2.5 m Antennas	Quad 2.5 m Antennas	AMS9060 Controller	Cool Grey	Charcoal
ZS1180-CG	•						•	
ZASE-E25G1-12M (12M interconnect)		•				•	•	
ZASE-E25G2-12M (12M interconnect)			•			•	•	
ZASE-E25G3-12M (12M interconnect)				•		•	•	
ZASE-E25G4-12M (12M interconnect)					•	•	•	
ZS1180-CH	•							•
ZASE-E25B1-12M (12M interconnect)		•				•		•
ZASE-E25B2-12M (12M interconnect)			•			•		•
ZASE-E25B3-12M (12M interconnect)				•		•		•
ZASE-E25B4-12M (12M interconnect)					•	•		•

Please see hardware add-on options in the Accessory section

Consumer Awareness

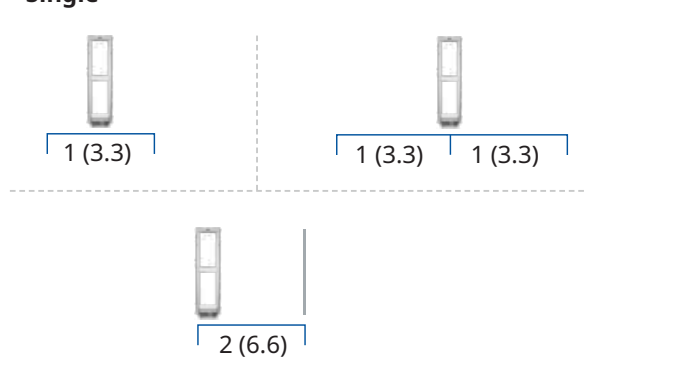
Although this anti-theft system complies with all applicable safety standards, advertising inserts must be designed to avoid creating any delay in customer movement through the system. Medical implant wearers are instructed by their doctors not to linger near, or lean on, anti-theft pedestals. Inserts should not encourage them to linger or lean.

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).

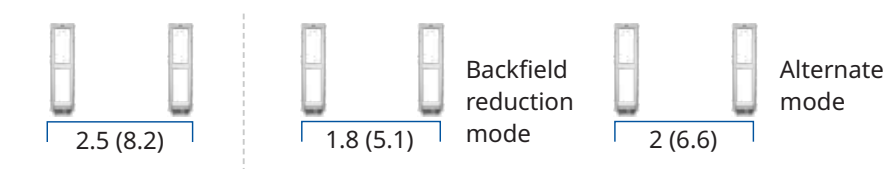
Configurations

Measurements – metres (feet)

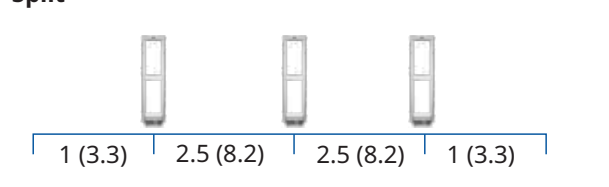
Single



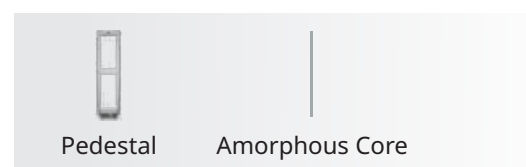
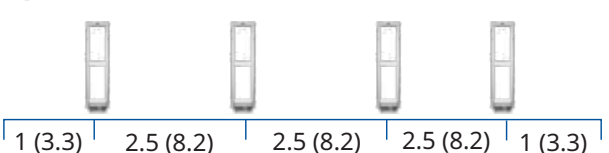
Dual



Split



Quad





Delivering next-generation store performance. The Sensormatic Synergy 2.0 m Pedestal combines the power of AM and RFID technology to enable comprehensive store performance. Its thin, narrow, open-frame design is constructed in high-impact ABS, preserving aesthetics and delivering the right look for virtually any retail setting. This detection system features Sensormatic AM EAS technology for the highest level of theft detection with up to 2 m (6 ft 6 in) coverage for wide or multiple exits. The integrated audio and visual alarms notify store personnel if protected merchandise passes through the detection zone. The multiple audio and visual alarms can be customised for different event types, mapping the audio and ambient lighting options to reflect the source of the alert, such as foil-lined bags and jammer devices.

The pedestal features embedded, multiple-beam people-counting sensors designed for optimal accuracy. With the Synergy network card, these sensors enable traffic intelligence reports that provide visibility into shopper traffic to enhance store performance and increase conversion rates. Integrating directional traffic information with EAS alarm events allows the sensors to discern between inbound and outbound traffic, virtually eliminating unintended alarms triggered by shoppers carrying protected merchandise near the pedestals. People-counting sensors also enable a 'power-on-demand' feature that puts the system into low-power

standby mode during periods of low or no traffic activity to reduce power consumption by up to 90%.

Compatible with the Sensormatic Synergy RFID Retrofit Panel, this pedestal provides a cost-effective migration to advanced Radio Frequency Identification (RFID) functionality. The easy-to-install upgrade panel delivers an optimal combination of proven Sensormatic AM loss prevention technology with RFID-enabled stock and shrink visibility. When leveraging RFID technology, these flexible and modular pedestals can integrate with surveillance cameras for video verification of EAS alarm events.

To effectively combat Organised Retail Crime, the AMS9060 Controller – part of this flexible and modular system – can be enhanced with the optional integrated Metal Foil Detection plug-in card. The network plug-in card, standard with this pedestal system, delivers remote management, EAS and traffic intelligence.

Through system configuration, 'tags-too-close' is an offered feature developed to help retailers maximise valuable sales floor space near pedestals. This feature helps to reduce unnecessary and costly service calls and decreases nuisance alarms to enhance the shopper experience. Another system-configured feature is Jammer Detection which triggers a pedestal alarm as soon as an electronic signal from a jammer device is detected, helping to eliminate the threat of would-be thieves using this method.

The optional Advertising Upgrade Kit leverages valuable pedestal real estate at the store entrance to reach a large number of shoppers on the move. The easy-to-install poster helps to attract shoppers with advertisements, modern designs or simple, low-cost printed graphics. This add-on also provides an opportunity to generate additional marketing co-op profit by renting out this valuable advertising space to vendors.

Retailer Values

- Compatible RFID Retrofit Panel provides an easy, cost-effective migration path to advanced RFID functionality in order to provide stock and shrink visibility
- Consistent 2 m (6 ft 6 in) global detection performance protects critical assets
- Embedded people-counting sensors provide traffic intelligence and directionality to calculate conversion rates and maximise store performance
- Optional Metal Foil Detection alerts staff when foil-lined bags or clothing enter the store environment, helping to combat shrink and ORC
- Standard network plug-in card delivers storefront alarm event and traffic intelligence to enhance loss prevention efforts and increase shopper visibility
- 'Tags-too-close' feature helps to reduce unnecessary and costly service calls and maximises valuable sales floor space near the pedestals

- Jammer Detection helps to reduce shrink by notifying staff of attempts to disable the EAS system using a separate audible alarm
- Add-on surveillance cameras provide video verification of EAS alarm events for enhanced shrink visibility
- Optional Advertising Upgrade Kit offers a flexible medium to reach a large number of shoppers where most purchasing decisions are made
- Customisable alarm tones and LED alarm light identify unique events to help reduce shrink
- Remote alarm option alerts staff of alarm events anywhere in store
- Service connection port allows full system software control at any antenna, reducing in-store service time.

Required Choices

Base Covers

ZSSB-E1180CG

Cool Grey (Qty 1=1 pair)

ZSSB-E1180CH

Charcoal (Qty 1=1 pair) (Qty 1=1 pair)

ZSSB-E1180-SS

Stainless Steel (Qty 1=1 pair)

ZSSB-E1180-SB

Stainless Steel Black (Qty 1=1 pair)

Base Cover Accent Band

ZPS-ACCENT-1

With Sensormatic Logo

ZPS-ACCENT-4

No Logo

Product Compatibility

- Sensormatic AM Sensors
- Amorphous Core Antenna
- Stereo Overhead Traffic Sensor
- Wireless Device Manager
- Wireless module
- Shrink Management as a Service
- Metal Foil Detection Plug-In Card
- Digital Remote Alarm
- Advertising Upgrade Kit
- Sensormatic Synergy RFID retrofit panel

Specifications

Height..... 165 cm (65 in)
 Width 41.9 cm (16.5 in)
 Depth..... 8.6 cm (3.38 in)
 (at base w/o covers)
 Weight 7.1 kg (15.85 lb) (w/o cover)
 Base cover..... 1.7 kg (2.6 lb)
 Accent band..... 3.4 kg (7.6 lb)

Electrical

Power Supply

Primary input..... 100-120 Vac or
 220-240 Vac@50-60 Hz
 Primary power fuse 3.15 A, 250V
 slo-blow, hi-breaking

(one pedestal only)

Current draw (120V)..... <0.75 Arms
 Current draw (240V)..... 37 Arms
 Input power (120 V) <57 W
 Input power (240 V) <57 W

Transmitter

Operating Frequency.... 58kHz ± 200Hz
 (sync pulse) 56kHz
 Transmission burst duration 1.6 ms
 Transmission current max... 16 A peak

Burst Repetition Rate

Based on 50 Hz ac..... 75 Hz or 37.5 Hz
 Based on 60 Hz ac..... 90 Hz or 45 Hz

Receiver

Centre frequency 58 kHz

Environmental Constraints

Ambient temperature

0°C to 50°C (32°F to 122°F)

Relative humidity

0 to 90%, non-condensing

Enclosure Rating

IPX0

Evaluated for altitudes less than
 3000 m (9800 ft)

Declarations

EMC

47 CFR, Part 15

EN 300 330-2

EN 301 489-3

EN 301 489-1

EN55022

EN55024

ICES-003

RSS-210

Safety

UL 60950-1 (second edition)

CSA C22.2.60950-1

EN 62368-1

Product Codes	Primary 2.0 m Antenna	Single 2.0 m Antenna	Dual 2.0 m Antennas	Split 2.0 m Antennas	Quad 2.0 m Antennas	AMS9060 Controller	Cool Grey	Charcoal
ZS1175-CG	•						•	
ZASE-E20G1-12M (12M interconnect)		•				•	•	
ZASE-E20G2-12M (12M interconnect)			•			•	•	
ZASE-E20G3-12M (12M interconnect)				•		•	•	
ZASE-E20G4-12M (12M interconnect)					•	•	•	
ZS1175-CH	•							•
ZASE-E20B1-12M (12M interconnect)		•				•		•
ZASE-E20B2-12M (12M interconnect)			•			•		•
ZASE-E20B3-12M (12M interconnect)				•		•		•
ZASE-E20B4-12M (12M interconnect)					•	•		•

Please see hardware add-on options in the Accessory section

Consumer Awareness

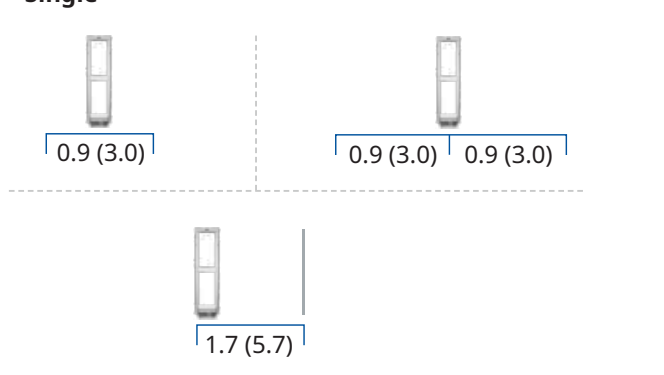
Although this anti-theft system complies with all applicable safety standards, advertising inserts must be designed to avoid creating any delay in customer movement through the system. Medical implant wearers are instructed by their doctors not to linger near, or lean on, anti-theft pedestals. Inserts should not encourage them to linger or lean.

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).

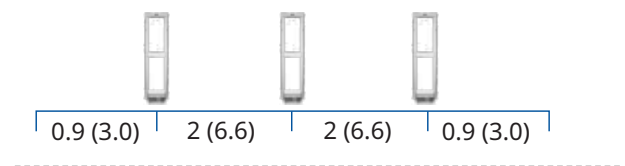
Configurations

Measurements – metres (feet)

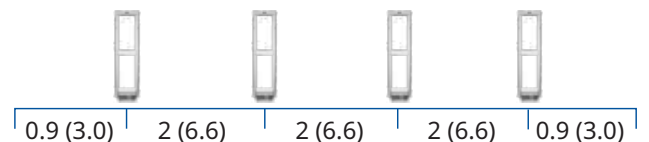
Single



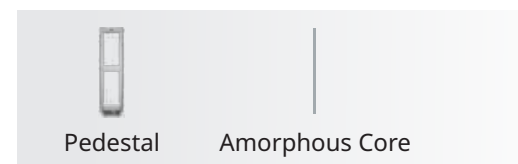
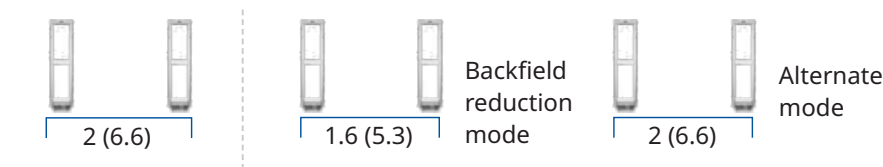
Split



Quad



Dual





Durable, all-weather solution for outdoor retail settings. The Sensormatic Synergy 2.5 m Outdoor ABS pedestal combines all-weather durability and superior Electronic Article Surveillance (EAS) detection performance in an attractive and aesthetically pleasing package. This thin sturdy frame detection solution is constructed in high-impact ABS material and is ideal for outdoor garden centres.

As part of the family of Sensormatic Synergy product line, this pedestal is packed with powerful features to help retailers manage shrink while offering a contemporary design to match the installed detection systems within the internal store environment. The Synergy Outdoor pedestal, designed specifically for outdoor installations, meets the IP44 water resistance rating that protects it from splashing water.

Along with its unique outdoor design, this system provides theft detection with up to 2.5 m (8 ft 2 in) coverage for wide exits. The integrated audio and visual alarms can be customised for different event types, mapping the audio and ambient light options to reflect the source of the alarm, such as foil-lined bags or jammer detection devices.

This pedestal also includes embedded, multiple-beam people-counting sensors which provide directional traffic information. This allows the sensors to discern between inbound and outbound traffic, virtually eliminating unintended alarms associated with shoppers

carrying protected merchandise near the pedestal. These built-in sensors also enable a 'power-on-demand' feature that places the system into a low power standby mode during periods of low or no traffic activity to reduce power consumption by up to 90%.

Through system configuration, jammer detection can be enabled which triggers a pedestal alarm as soon as an electronic signal from a jammer device is detected, helping to eliminate the threat of would-be thieves.

Synergy 2.5 m Outdoor ABS Pedestals can be connected to the Sensormatic Shrink Management as a Service reporting platform. This cloud-based platform provides retailers with shoplifting insights, predictive analytics and remote management of their EAS system to help manage their loss prevention programmes.

Retailer Values

- Designed to withstand exposure to outdoor temperatures and splashing water – ideal for outdoor installations such as garden centres
- Contemporary open-frame style provides a consistent look and feel across the entire store environment
- Full suite of features combines durability and superior detection performance, including built-in people counting sensors, customisable alarm tones and lighting and jammer detection
- Includes a service connection port for full software control at any antenna which helps to reduce in-store service time

Required Choices

Note: base covers are installed at the manufacturing location.

Base Cover Accent Plate

ZPS-ACCENT-1 with Sensormatic logo
ZPS-ACCENT-4 no logo

Product Compatibility

- Sensormatic AM Sensors
- Amorphous Core Antenna
- Wireless Device Manager
- Wireless module
- Metal Foil Detection Plug-In Card
- Digital Remote Alarm
- Shrink Management as a Service

Specifications

Height.....	165 cm (65 in)
Width	41.9 cm (16.5 in)
Depth.....	8.6 cm (3.4 in) (at base w/o covers)
Weight.....	7.1 kg (15.85 lb) (w/o cover)
Base cover.....	1.7 kg (2.6 lb)
Accent band.....	3.4kg (7.6lbs)

Electrical

Power Supply

AMS9060 Controller

Primary input..... 100-120 Vac or
220-240 Vac@50-60 Hz

Primary power fuse 3.15 A, 250V
slo-blow, hi-breaking

(one pedestal only)

Current draw (120V)..... <0.75 Arms

Current draw (240V)..... <0.37 Arms

Input power (120 V) <57 W

Input power (240 V) <57 W

Transmitter

Operating Frequency.... 58kHz ± 200Hz
(sync pulse) 56kHz

Transmission burst duration 1.6 ms

Transmission current max... 20 A peak

Burst Repetition Rate

Based on 50 Hz ac..... 75 Hz or 37.5 Hz

Based on 60 Hz ac..... 90 Hz or 45 Hz

Receiver

Centre frequency 58 kHz

Environmental Constraints

Ambient temperature

-50°C to 50°C (-58°F to 122°F)

Relative humidity

0 to 90%, non-condensing

Enclosure Rating

IP44

Declarations

EMC (with AMS-9060 Controller)

47 CFR, Part 15

EN 300 330-2

EN 301 489-3

EN 301 489-1

EN55022

EN55024

ICES-003

RSS-210

Safety

UL/CSA/EN 60950-1

UL/CSA/EN 62368-1

UL/CSA/EN 60950-22

Approved for outdoor installations



CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).

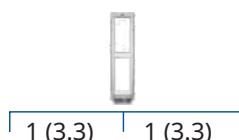
Product Codes	Primary 2.5 m Outdoor Receiver	Single 2.5m Outdoor Emitter	Single 2.5m Outdoor Antenna	Dual 2.5m Outdoor Antennas	Split 2.5m Outdoor Antennas	Quad 2.5m Outdoor Antennas	Cool Grey	Charcoal
ZSO1180-CGCR (Capacitor Board Receiver)	•						•	
ZSO1180-CGCE (Capacitor Board Emitter)		•					•	
ZASEO-E25G1-12M (12M interconnect)			•				•	
ZASEO-E25G2-12M (12M interconnect)				•			•	
ZASEO-E25G3-12M (12M interconnect)					•		•	
ZASEO-E25G4-12M (12M interconnect)						•	•	
ZSO1180-CHCR (Capacitor Board Receiver)	•							•
ZSO1180-CHCE (Capacitor Board Emitter)		•						•
ZASEO-E25B1-12M (12M interconnect)			•					•
ZASEO-E25B2-12M (12M interconnect)				•				•
ZASEO-E25B3-12M (12M interconnect)					•			•
ZASEO-E25B4-12M (12M interconnect)						•		•

Please see hardware add-on options in the Accessory section

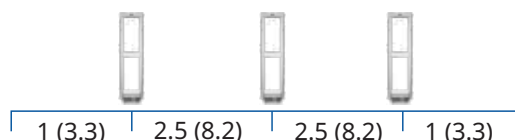
Configurations

Measurements – metres (feet)

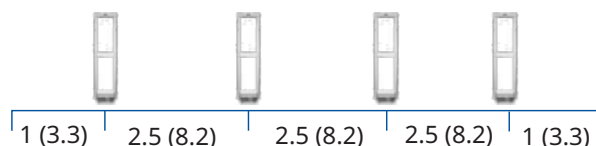
Single



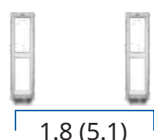
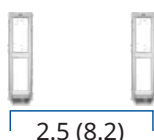
Split



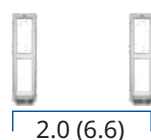
Quad



Dual



Backfield Reduction Mode



Alternate mode





Delivering next-generation store performance. The Sensormatic Synergy 2.5 m Self-Contained Pedestal provides superior Sensormatic AM EAS anti-theft protection with up to 2.5 m (8.2 ft) of coverage between pedestals. The on-board electronics are mounted in the primary pedestal, eliminating the need for an external controller. The integrated audio and visual alarms notify store personnel if protected merchandise passes through the detection zone. The multiple audio and visual alarms can be customised for different event types, mapping the audio and ambient lighting options to reflect the source of the alert such as foil-lined bags and jammer devices.

The pedestal features embedded, multiple-beam people-counting sensors designed for optimal accuracy. With the Synergy network card, these sensors provide visibility into shopper visits to enhance store performance and increase conversion rates. Integrating directional traffic information with EAS alarm events allows the sensors to discern between inbound and outbound traffic, virtually eliminating unintended alarms triggered by shoppers carrying protected merchandise near the pedestals. People-counting sensors also enable a 'power-on-demand' feature that puts the system into low-power standby mode during periods of low or no traffic activity to reduce power consumption by up to 90%.

The on-board controller can be enhanced with the optional integrated Metal Foil Detection

plug-in card to effectively combat Organised Retail Crime, or the network plug-in card to deliver remote management, EAS and traffic intelligence.

Through system configuration, 'tags-too-close' is an offered feature developed to help retailers maximise valuable sales floor space near the pedestals. This feature decreases nuisance alarms to enhance the shopper experience and reduce unnecessary and costly service calls. Another system-configured feature is Jammer Detection, which triggers a pedestal alarm as soon as an electronic signal from a jammer device is detected, helping to eliminate the threat of would-be thieves using this method.

The optional Advertising Upgrade Kit leverages valuable pedestal real estate at the store entrance to reach a large number of shoppers on the move. The easy-to-install poster helps to attract shoppers into the retail environment with advertisements, modern designs or simple, low-cost printed graphics. This add-on also provides an opportunity to generate additional marketing co-op profit by renting out this valuable advertising space to vendors.

Retailer Values

- Consistent 2.5 m (8.2 ft) global detection performance protects critical assets
- Embedded people-counting sensors capture shopper visits to help maximise store performance
- Optional Metal Foil Detection alerts staff when foil-lined bags or clothing enter the store environment, helping to combat shrink and ORC
- Optional network plug-in card delivers storefront alarm event and traffic intelligence to enhance loss prevention efforts and increase shopper visibility
- 'Tags-too-close' feature helps to reduce unnecessary and costly service calls and maximises valuable sales floor space near the pedestals
- Jammer Detection helps to reduce shrink by notifying staff of attempts to disable the EAS system using a separate audible alarm
- Optional Advertising Upgrade Kit offers a flexible medium to reach a large number of shoppers where most purchasing decisions are made
- Customisable alarm tones and LED alarm light identify unique events to help reduce shrink
- Remote alarm option alerts staff of alarm events anywhere in store
- Service connection port allows full system software control at any antenna, helping to reduce in-store service time

Optional

Base Cover Accent Band

- ZPS-ACCENT-1 with Sensormatic logo
- ZPS-ACCENT-4 no logo

Product Compatibility

- Sensormatic AM Sensors
- Amorphous Core Antenna
- Stereo Overhead Traffic Sensor
- Wireless Device Manager
- Wireless module
- Shrink Management as a Service
- Metal Foil Detection Plug-In Card
- Network Plug-In Card
- Digital Remote Alarm
- Sensormatic Synergy Advertising Upgrade Kit

Specifications (without covers)

Height.....	165 cm (65 in)
Width	41.9 cm (16.5 in)
Thickness/depth.....	8.6 cm (3.4 in) (w/o base covers)
Weight	7.18 kg (15.85 lb) (w/o base covers)
Base cover.....	4.3 kg (9.5 lb)
2C Controller board	1.2 kg (2.75 lb)
4C Controller board	1.4 kg (3.25 lb)
Accent band.....	3.4 kg (7.6 lb)

Electrical

Power Supply

Primary input.....	100-120 Vac or 220-240 Vac@50-60 Hz
Primary power fuse	3.15 A, 250V slo-blow, hi-breaking
Current draw (120V).....	<0.6Arms
Current draw (240V).....	<0.3Arms
Input power (120 V)	<45 W
Input power (240 V)	<45 W

Transmitter

Operating Frequency..	58kHz (+200Hz) (sync pulse) 56kHz
Transmission burst duration	1.6 ms
Transmission current max. ...	20 A peak

Burst Repetition Rate

Based on 50 Hz ac.....	75 Hz or 37.5 Hz
Based on 60 HZ zc.....	90 Hz or 45 Hz

Receiver

Centre frequency	58 kHz
------------------------	--------

Environmental Constraints

Ambient temperature

0°C to 50°C (32°F to 122°F)

Relative humidity

0 to 90%, non-condensing

Enclosure Rating

IPXO

Evaluated for altitudes less than 3000 m (9800 ft)

Declarations

EMC

47 CFR, Part 15
EN 300 330-2
EN 301 489-3
EN 301 489-1
EN55022
EN55024
ICES-003
RSS-210

Safety

UL 60950-1 (second edition)
CSA C22.2.60950-1
EN 62368-1

Consumer Awareness

Although this anti-theft system complies with all applicable safety standards, advertising inserts must be designed to avoid creating any delay in customer movement through the system. Medical implant wearers are instructed by their doctors not to linger near, or lean on, anti-theft pedestals. Inserts should not encourage them to linger or lean.

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).

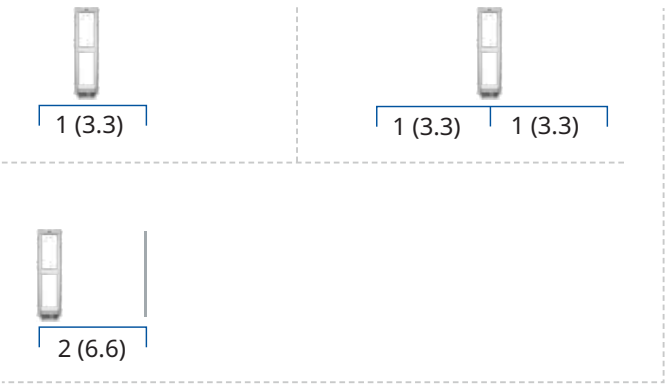
Product Codes+	Primary 2.5 m Antenna 2-channel stand-alone	Primary 2.5 m Antenna 4-channel stand-alone	Single 2.5 m Antennas	Dual 2.5 m Antennas	Cool Grey	Charcoal
AMS1170-2C	•					
AMS1170-4C		•				
ZASI-E25GP (no interconnect)			•		•	
ZASI-E25G2-4M-I (4M interconnect)				•	•	
ZASI-E25G2-12M-I (12M interconnect)				•	•	
ZASI-E25BP (no interconnect)			•			•
ZASI-E25B2-4M-I (4M interconnect)				•		•
ZASI-E25B2-12M-I (12M interconnect)				•		•

Please see hardware add-on options in the Accessory section

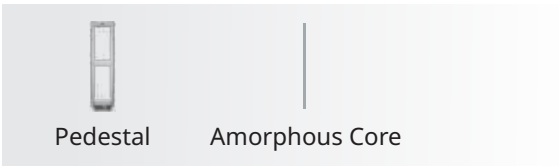
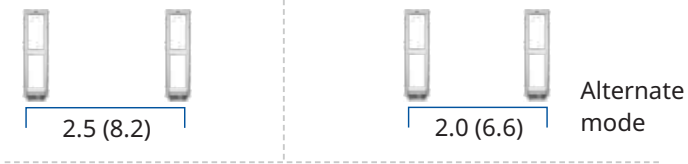
Configurations

Measurements – metres (feet)

Single



Dual



Sensormatic Synergy Camera



The Sensormatic Synergy Camera layers video surveillance onto compatible Synergy detection systems for real-time insight into loss events. The camera provides a video stream or image snapshot of a loss event as it occurs at the storefront to identify potential thieves, help to control shrink and increase safety for staff and customers.

The low-profile, high-performance camera mounts to a compatible Sensormatic Synergy pedestal and can automatically capture, store and transmit visual notifications every time an alarm is detected. When integrated with exacqVision VMS, store assistants are immediately notified if a possible offender is monitored, and a historical archive can be reviewed at any time for post-event investigation. Clear, high-definition (HD) video recordings and snapshots can be triggered from pedestal alarms that include: EAS alarm, RFID alarm, blocked sensor, jammer and metal foil detection. This capability is limited to exacqVision VMS integration and is not available with other NVR/VMS setups.

This visual verification can help asset protection investigators and law enforcement to combat Organised Retail Crime.

Notes:

the Synergy Camera can be integrated with an IP based Network Video Recorder (NVR) or Video Management System (VMS) and is supported by exacqVision VMS.

Retailer Values

- Discreetly mounts on pedestal for a direct line of sight to capture a wide-angle view of real-time alarm events
- Enables easy identification of unique loss events with alarm time stamp
- Improves loss prevention strategies and tactics with real-time video of loss events
- Delivers HD quality images of potential theft events to improve accuracy of evidence packages
- Loss events captured through the camera can be used for post-event forensic evidence with law enforcement
- Easy access to video by Exacq NVR, 9060 Controller Relay or SD Card

Product Codes

Camera Kit

ZPS-PEDCAMAXIS-30M

- Pinhole camera
- Single port controller
- 30 m cable

Camera Kit Enclosure

Cool Grey: ZPS-CAMENCAXIS-CG

Charcoal: ZPS-CAMENCAXIS-CH

Raceway

Cool Grey: ZPS-CAMCRW-CG

Charcoal: ZPS-CAMCRW-CH

Product Compatibility

- Sensormatic Synergy 2.5 ABS pedestal
- Sensormatic Synergy 2.5 self-contained pedestal

- Sensormatic Synergy 2.0 ABS pedestal
- Sensormatic Synergy RFID retrofit panel
- TrueVUE Cloud
- Shrink Analyzer

Specifications

Camera Enclosure

Length 12.45cm (4.90in)

Width 3.58 cm (1.41 in)

Height..... 7.55 cm (2.97 in)

Main Unit Single Port Controller

Length 120mm (4.72in)

Width 120mm (4.72in)

Height..... 5mm (2.97in)

Weight 674kg (1.5lbs)

Enclosure + Raceway

Weight 675kg (1.5lbs)

Camera + Controller + Cable

Weight 2.18kg (4.48lbs)

Camera Module

Image sensor..... 1/2.8" (effective)
progressive scan RGB CMOS

Lens 3.7mm, F2.5 With
AXIS F91 Main Unit
For 1080p:
Horizontal field of vision: 97°
Vertical field of vision: 48°
For 720p:
Horizontal field of vision: 58°
Vertical field of vision: 31°

Fixed iris Day & Night .. Fixed IR-cut filter

Shutter Speed..... With AXIS F9111:
1080p, 25/30 fps: 1/20000 s to 1.5 s
1080p, 50/60 fps: 1/27000 s to 1 s
HDTV 720p, 175/180 fps: 1/32500 s to
0.5 s

With AXIS F9104-B, F9114 and F9114-B:
1080p, 25/30 fps: 1/20000 s to 1.5 s
HDTV 720p, 50/60 fps: 1/32500 s to
0.5 s

ResolutionMaximum 1920x1080 HDTV
1080p

Frame rate Up to 25/30 fps (50/60 Hz)
in 1920x1080 capture mode
Up to 50/60 fps (50/60 Hz) in
1280x720 capture mode

WDR..... WDR – Forensic capture

Min. Illumination

Colour 0.3 lux at 50 IRE, F2.5

Environmental

Operating temperature

Camera

-30°C to 55°C (-22°F to 131°F)

Controller

-40°C to 60°C (-40°F to 140°F)

Relative humidity

10% to 85% RH non-condensing

Ingress Protection Rating

Camera

IP66/67-rated

Controller

IP3X-rated

Storage temperature

-40°C to 65°C (-40°F to 149°F)

Declarations

Camera

EMC

ECE R10 rev.06, EN 50498, EN 55035,
EN 55032 Class B, EN 50121-4, EN
50121-3-2, EN 61000-6-1, EN 61000-
6-2, FCC Part 15 Subpart B Class B,
ICES-3(B)/NMB-3(B), IEC 62236-4, KS C
9835, KS C 9832 Class B, VCCI Class B

Safety

EN 45545-2, CAN/CSA C22.2 No.
62368-1 ed. 3, IEC/EN/UL 62368-1 ed.
3, NFPA 130, UN ECE R118

Environment

EN 50155:2017 Class OT2/ST2, IEC
60068-2-1, IEC 60068-2-1, IEC 60068-
2-27, IEC 60068-2-64, IEC 60721-3-5
Class 5M3, IEC/EN 61373 Category
1 Class B, IEC 60529 IP66, IEC 60529
IP67, NEMA 250 Type 4X

Controller

EMC

CISPR 32 Class A, CISPR 35, EN 55035,
EN 55032 Class A, EN 50130-4, EN
50121-4, EN 61000-6-1, EN 61000-6-2

Australia/New Zealand: RCM AS/NZS
CISPR 32 Class A

Canada: ICES(A)/NMB(A)

Japan: VCCI Class A

Korea: KS C 9835, KS C 9832 Class A

USA: FCC Part 15 Subpart B Class A

Railway: IEC 62236-4

Safety

CAN/CSA C22.2 No. 62368-1 ed. 3,
IEC/EN/UL 62368-1 ed. 3, RCM AS/NZS
62368.1:2022, UN ECE R118, IS 13252

Environment

IEC 60068-2-1, IEC 60068-2-2, IEC
60068-2-14, IEC 60068-2-27, IEC
60068-2-64, IEC/EN 60529 IP3X, IEC
60721-3-5 Class 5M3, IEC/EN 61373
Category 1 Class B, NEMA TS 2
(2.2.7-2.2.9)

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and specifications are subject to
change without prior notice.



Main unit single port controller shown.
Four port controller available to order.



Wide-angle lens that captures 97° field
of vision with a 3.7 mm focal length
and a 30° left/right pivot

CE This product complies with
Directive 2011/65/EU (RoHS 2),
2015/863 (RoHS 3) concerning
restriction on the use of certain
hazardous substances in electrical
and electronic equipment (RoHS).



Attractive, slender design complements any store environment. The Door-Max features Sensormatic AM EAS technology in an attractive, slender antenna to protect exits up to 1.8 m (6 ft) wide. Attached to door frames, glass and other surfaces, this detection system complements any store décor, whether in a shopping centre or a stylish boutique. The Door-Max is compatible with Sensormatic auxiliary receivers for a cost-effective alternative with comparable detection performance. The integrated audio and visual alarms notify store personnel if protected merchandise passes through the detection zone.

Through system configuration, 'Tags-too-Close' is an offered feature developed to help store assistants better manage the merchandising of tagged goods at the front of the store. This feature helps to reduce unnecessary and costly service calls and decreases nuisance alarms to enhance the shopper experience. Another system-configured feature is Jammer Detection. This software triggers a pedestal alarm as soon as an electronic signal from a jammer device is detected, helping to eliminate the threat of would-be thieves using this method.

Retailer Values

- Sleek, modern antenna complements any store entrance
- Built-in visual and audible indicators immediately notify store assistants of alarm events
- 'Tags-too-Close' feature helps to reduce unnecessary and costly service calls and helps to manage the merchandising of tagged products at the storefront
- Jammer Detection helps to reduce shrink by notifying staff of attempts to disable the EAS system using a separate audible alarm

Product Compatibility

- Sensormatic AM Sensors
- Amorphous Core Receiver
- Stereo Overhead Traffic Sensor
- Wireless Device Manager
- Wireless module
- Shrink Management as a Service
- Digital Remote Alarm

Specifications

Height..... 183.9 cm (72.4 in)
Width 24 cm (9.4 in)
Thickness/Depth 4.4 cm (1.7 in)
Weight 11.6 kg (25.5 lb)

Electrical

Receiver
Centre frequency 58 kHz
Receive Coil Resistance 1.6 ohms
(± 5%)

Alarm
Audio level 109 dBA

Environmental Constraints

Ambient temperature
0°C to 50°C (32°F to 122°F)
Relative humidity
0 to 90%, non-condensing

Enclosure
IPx0
Evaluated for altitudes less than 3200 m (10500 ft)

Declarations

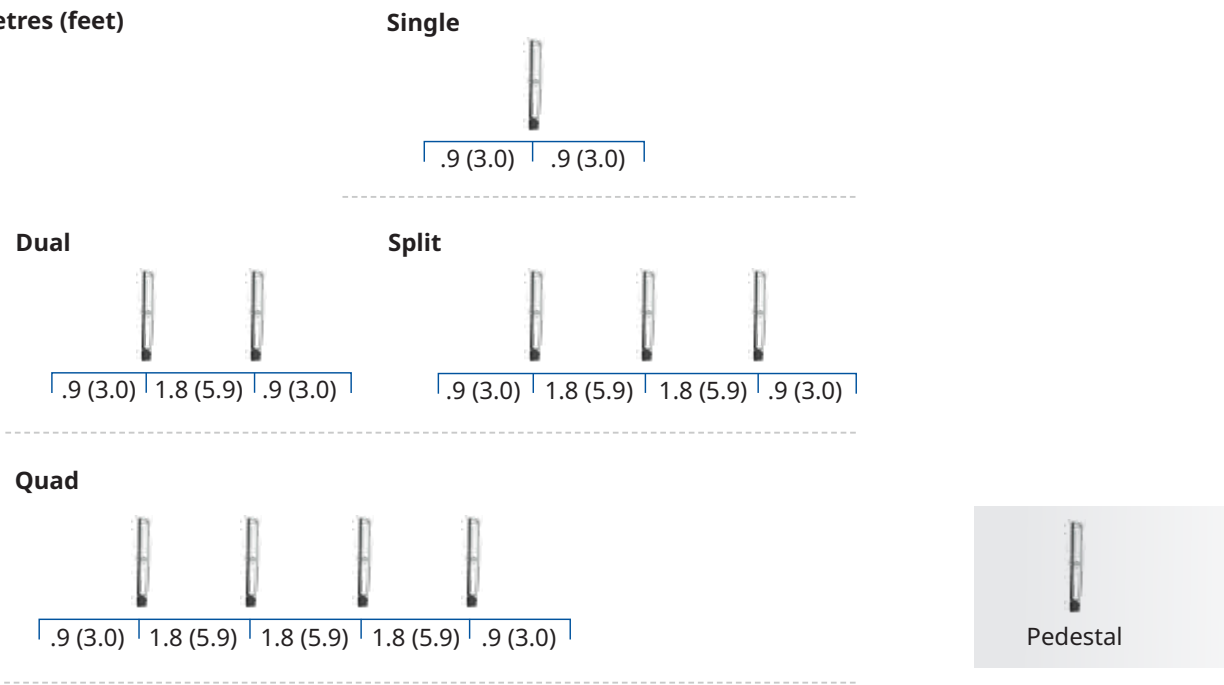
EMC
47 CFR, Part 15
EN 300 330
EN 301 489
RSS 210

Safety
EN 62368-1

Product Codes	Digital Antenna	Single Antenna(s)	Dual Antenna(s)	Split Antenna(s)	Quad Antenna(s)	AMB9060 Controller
ZSDM4A	•					
ZADM4A-1		•				•
ZADM4A-2			•			•
ZADM4A-3				•		•
ZADM4A-4					•	•

Configurations

Measurements – metres (feet)



CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



Ideal anti-theft protection for grocery store checkout aisles or narrow doorways. The Ultra•Lane Pedestal – specifically developed for supermarket checkout aisles or narrow doorways – features Sensormatic AM EAS technology to provide up to 1.8 m (5 ft 10 in) of protection between pedestals. Each pedestal is equipped with integrated visual and audible alarms to notify store assistants if protected merchandise passes through the detection zone. Multiple installation options include fitting to either side of a checkout counter, a railing post, or directly onto the door frame. When using a Sensormatic Ranger Receiver, this system can also be mounted to the side of an opposing counter.

An optional system-configured feature is Jammer Detection. This software triggers a pedestal alarm as soon as an electronic signal from a jammer device is detected, helping to eliminate the threat of would-be thieves using this method.

Retailer Values

- Slim antenna is ideal for checkout lanes and narrow doorways
- High-impact construction protects against damage in high-traffic zones
- Built-in visual and audible indicators immediately notify store assistants of alarm events
- Jammer Detection helps to reduce shrink by notifying staff of attempts to disable the EAS system using a separate audible alarm

Product Compatibility

- Sensormatic AM Sensors
- Stereo Overhead Traffic Sensor
- Wireless Device Manager
- Wireless module
- Shrink Management as a Service
- Digital Remote Alarm

Specifications

Height..... 121.3 cm (47.8 in)
 Width 36.4 cm (14.3 in)
 Thickness/depth..... 3.6 cm (1.4 in)
 Weight 5.2 kg (11.5 lb)

Electrical

Transmitter

Operating Frequency..... 58 kHz (± 200 Hz)
 Transmission burst duration 1.6 ms
 Transmission current maximum... 15 A peak

Burst Repetition Rate

Based on 50 Hz ac..... 75 Hz or 37.5 Hz
 Based on 60 Hz ac..... 90 Hz or 45 Hz

Receiver

Centre frequency 58 kHz

Alarm

Audio level 83 dB(A) (maximum)

Environmental Constraints

Ambient temperature

0°C to 50°C (32°F to 122°F)

Relative humidity

0 to 90%, non-condensing

Declarations

EMC

47 CFR, Part 15
 EN 300 330
 EN 301 489
 RSS-210

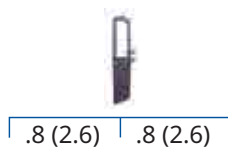
Safety

IEC 60950-1

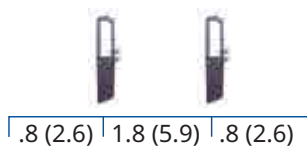
Configurations

Measurements – metres (feet)

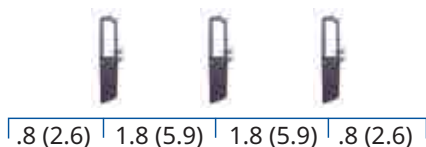
Single



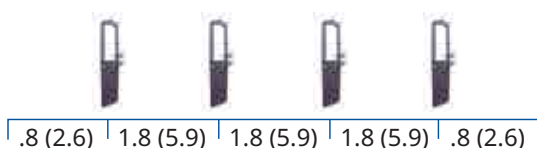
Dual



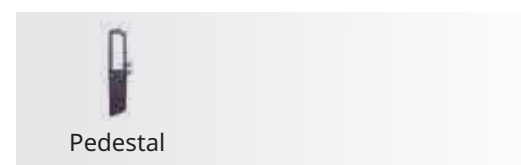
Split



Quad



Product Codes	Single Antenna(s)	Dual Antenna(s)	Split Antenna(s)	Quad Antenna(s)	AMS9060 Controller	Dark Grey Mullion Mounts	Checks and Mounts	Pole Mounts
ZASE-EAG1-R1C	•				•			
ZASE-EAG2-R2C		•			•			
ZASE-EAG1-R2P			•		•			
ZASE-EAG1-C	•				•		•	
ZASE-EAG2-C		•			•		•	
ZASE-EAG3-C			•		•		•	
ZASE-EAG4-C				•	•		•	
ZASE-EAG1-P	•				•			•
ZASE-EAG2-P		•			•			•
ZASE-EAG3-P			•		•			•
ZASE-EAG4-P				•	•			•
ZASE-EEG1-M	•				•	•		
ZASE-EEG1-R1M	•				•	•		
ZASE-EEG2-M		•			•	•		



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Helps to ward off Organised Retail Crime activity. Hyperguard is designed to detect booster bags when they enter or exit a store location. Booster bags are commonly used by Organised Retail Crime (ORC) offenders to steal merchandise and walk out of a store undetected. Hyperguard also features a metal door and metal shopping trolley filter which helps to eliminate false alarms caused by moving metal doors or metal shopping trolleys at the exit.

Plus, Hyperguard can be integrated with Sensormatic Shrink Management as a Service, which provides retailers with data insights in order to proactively manage shrink and combat ORC activity.

Retailer Values

- Protects merchandise from sophisticated shoplifters by identifying foil-lined bags or clothing as it enters or exits the store
- Modern, transparent design complements any store setting
- Store assistants can be notified of incoming booster bags via alarm, CCTV or optional pager device
- Reduces false alarms caused by metal shopping trolleys or moving metal doors

Product Codes

Antenna

AS-1503050126

AS-Hyperguard V4 – 12 cm

AS-1503050186

AS-Hyperguard V4 – 18 cm

AS-1503050196

AS-Hyperguard V4 – 24 cm

Controller

AS-1003042183

AS-Hypr/Aprl V4 Controller – US

AS-1003042184

AS-Hypr/Aprl V4 Controller + Pager – US

AS-1003042180

AS-Hypr/Aprl V4 Controller – EU

AS-1003042181

AS-Hypr/Aprl V4 Controller + Pager – EU

Product Compatibility

AM Detection Systems

Shrink Management as a Service

Antenna Specifications

Height..... 152 cm (4.99 ft)

Width 12 cm (2.72 in)

Depth..... 12 cm (2.72 in)

..... 18 cm (7.08 in)

..... 24 cm (9.45 in)

Weight

12 cm antenna 6.4 kg (19.84 lb)

18 cm antenna 12 kg (26.45 lb)

24 cm antenna 14 kg (30.86 lb)

Controller Specifications

Height..... 5 cm (1.97 in)

Width 11.5 cm (4.53 in)

Depth..... 19 cm (7.48 in)

Weight 0.3 kg (0.66 lb)

Electrical

Power Supply

Primary input..... 100-240 V AC adapter

Regulatory Compliance

EMC

47 CFR, Part 15

RSS-Gen Issue 4 (2014-11)

RSS-210 Issue 8 (2010-12)

EN 300 330-1 V1.7.1 (2010-02)

EN 300 330-2 V1.5.1 (2010-02)

EN 301 489-01 V1.9.2

EN 301 489-03 V1.4.1

EN 55022:2010

EN 55024:2010

EN 50354:2010

Safety

UL60950-1, 2nd ed., 2011-12-19,

2014-10-14

CSA C22.2 no. 60950-1-07 +

A1: 2011 + A2:2014

IEC60950-1:2005 + A1:2009 + A2:2013

EN 60950-1:2006 + A1:2010 +

A11:2009 + A12:2011 +A2:2013

Metalguard, Hyperguard and Apparelguard are trademarks of Alert Systems.



Alert Systems

Hyperguard



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Metal foil detection to help ward off Organised Retail Crime activity. Metalguard is designed to detect booster bags when they enter or exit a store location. Booster bags are commonly used by Organised Retail Crime (ORC) offenders to steal merchandise and walk out of a store undetected. Metalguard also features a door filter which helps to eliminate false alarms caused by moving metal doors located at the store entrance.

Plus, Metalguard can be integrated with Sensormatic Shrink Management as a Service, which provides retailers with data insights in order to proactively manage shrink and combat ORC activity.

Retailer Values

- Protects merchandise from sophisticated shoplifters by identifying foil-lined bags or clothing as it enters or exits the store
- Unique door filter technology helps to reduce false alarms generated by moving metal doors
- Store assistants can be notified of incoming booster bags via alarm, CCTV or optional pager device

Product Codes

Antenna

AS-1503043126

AS-Metalguard V4 – 12 cm

AS-1503043186

AS-Metalguard V4 – 18 cm

AS-1503043196

AS-Metalguard V4 – 24 cm

Controller

AS-1003031183

AS-Metalguard V4 Controller – US

AS-1003031184

AS-Metalguard V4 Controller + Pager – US

AS-1003031180

AS-Metalguard V4 Controller - EU

AS-1003031181

AS-Metalguard V4 Controller + Pager – EU

Product Compatibility

- AM Detection Systems
- Shrink Management as a Service

Antenna Specifications

Height.....	152 cm (4.99 ft)
Width	12 cm (2.72 in)
Depth.....	12 cm (2.72 in)
.....	18 cm (7.08 in)
.....	24 cm (9.45 in)
Weight	6.4 kg (14.11 lb)

Controller Specifications

Height.....	5 cm (1.97 in)
Width	11.5 cm (4.53 in)
Depth.....	19 cm (7.48 in)
Weight	0.3 kg (0.66 lb)

Electrical

Power Supply

Primary input..... 100-240 V AC adapter

Regulatory Compliance

EMC

47 CFR, Part 15

RSS-Gen Issue 4 (2014-11)

RSS-210 Issue 8 (2010-12)

EN 300 330-1 V1.7.1 (2010-02)

EN 300 330-2 V1.5.1 (2010-02)

EN 301 489-01 V1.9.2

EN 301 489-03 V1.4.1

EN 55022:2010

EN 55024:2010

EN 50354:2010

Safety

UL60950-1, 2nd ed., 2011-12-19, 2014-10-14

CSA C22.2 no. 60950-1-07 + A1: 2011 + A2:2014

IEC60950-1:2005 + A1:2009 + A2:2013

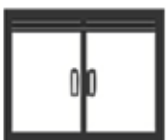
EN 60950-1:2006 + A1:2010 + A11:2009 + A12:2011 + A2:2013

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Alert Systems

Metalguard



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Secure fitting rooms from incoming magnets and magnetic detachers. Magnets and magnetic detachers can be easily obtained, allowing shoplifters to remove security tags from protected merchandise. The shoplifter then leaves the store with the unpaid merchandise without being detected. Apparelguard detects magnets and magnetic detachers when brought into the fitting room area to help eliminate the threat from would-be thieves in this vulnerable area.

Plus, Apparelguard can be integrated with Sensormatic Shrink Management as a Service, which provides retailers with data insights in order to proactively manage shrink and combat ORC activity.

Retailer Values

- Ideal for protecting fitting room entrances up to 1.4 m (4.6 ft) from incoming detachers and magnets
- Helps to safeguard merchandise in the fitting room which presents an opportunity for would-be thieves to conceal and steal items
- Store assistants can be notified of incoming magnets or magnetic detachers via alarm, CCTV or optional pager device



Product Codes

Antenna

AS-1503060100

AS-Apparelguard V4 Antenna – Black

AS-1503060101

AS-Apparelguard V4 Antenna – White

Controller

AS-1003042183

AS-Hypr/Aprl V4 Controller – US

AS-1003042184

AS-Hypr/Aprl V4 Controller + Pager – US

AS-1003042180

AS-Hypr/Aprl V4 Controller – EU

AS-1003042181

AS-Hypr/Aprl V4 Controller+pgpr – EU

Product Compatibility

Shrink Management as a Service

Apparelguard Specifications

Height..... 24 cm (9.45 in)
Width 13 cm (5.12 in)
Depth..... 3 cm (1.18 in)
Weight 0.6 kg (1.3 lb)

Controller Specifications

Height..... 5 cm (1.97 in)
Width 11.5 cm (4.53 in)
Depth..... 19 cm (7.48 in)
Weight 0.3 kg (0.66 lb)

Electrical

Power Supply

Primary input 100-240 V AC adapter

Regulatory Compliance

EMC

47 CFR, Part 15

RSS-Gen Issue 4 (2014-11)

RSS-210 Issue 8 (2010-12)

EN 300 330-1 V1.7.1 (2010-02)

EN 300 330-2 V1.5.1 (2010-02)

EN 301 489-01 V1.9.2

EN 301 489-03 V1.4.1

EN 55022:2010

EN 55024:2010

EN 50354:2010

Safety

UL60950-1, 2nd ed., 2011-12-19, 2014-10-14

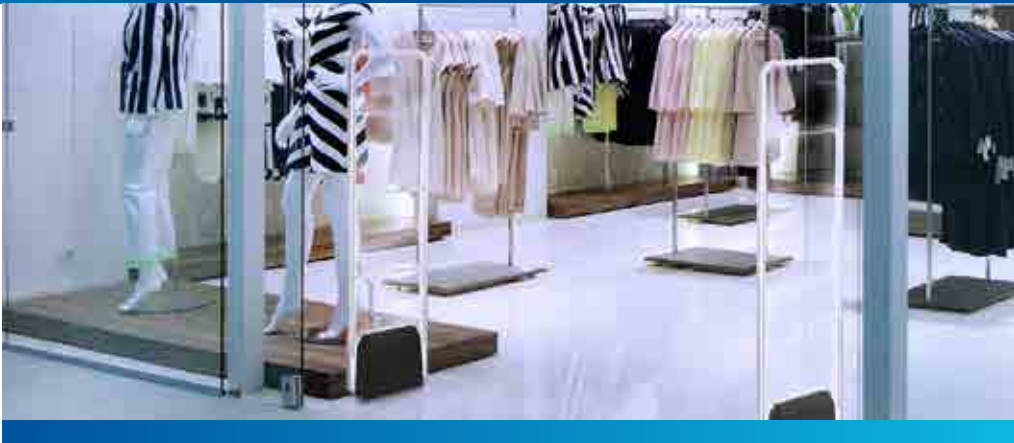
CSA C22.2 no. 60950-1-07 + A1: 2011 + A2:2014

IEC60950-1:2005 + A1:2009 + A2:2013

EN 62368-1:2006 + A1:2010 + A11:2009 + A12:2011 +A2:2013

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Stylish anti-theft protection in an attractive acrylic design. The Sensormatic 2.0 m Acrylic RF Pedestal delivers attractive EAS anti-shoplifting protection designed to complement a variety of store environments. Constructed from durable acrylic, this pedestal provides a transparent, elegant look for store entrances and supports pedestal spacing up to 2.0 m (6.6 ft) for wide exits. The integrated audio and visual alarms notify staff if protected merchandise passes through the detection zone.

This pedestal can be integrated with Sensormatic Shrink Management as a Service, which provides retailers with data insights in order to proactively manage shrink and combat ORC activity.

The Essentials 2.0m Acrylic RF pedestal brings strong visible deterrence and detection performance to the store exit.

Retailer Values

- Ideal for protecting exits up to 2.0 m (6.6 ft).
- Transparent acrylic form factor maintains store aesthetics
- Built-in lighting provides visual notification of alarm events
- Each pedestal is independently powered, simplifying installation
- Integrated audible alarm notifies staff when protected merchandise passes through the detection zone

Product Compatibility

- Sensormatic RF Roll Labels
- Sensormatic RF Hard Tag Sensors
- Sensormatic RF Deactivator
- Shrink Management as a Service

Specifications

Height..... 150 cm (4.92 ft)
Width 40 cm (1.31 ft)
Thickness 2 cm (.787 in)
Base thickness..... 12.5 cm (4.92 in)

Weight with base covers
w/o packaging 17.4kg (38.36lb)
w/ packaging 20 kg (44.09 lb)

Electrical

Power Supply

Primary Input

100-120 Vac or 220-240 Vac @ 50-60 Hz

Primary Power Fuse

Electronic overload protected

One pedestal

Current Draw (120V) <0.2Arms

Current Draw (240V) <0.1Arms

Input power (120 V) <24 W

Input power (240 V) <24 W

Transmitter

Operating Frequency. 7.7MHz ~ 8.7MHz

Transmission burst duration 3 us

Transmission current max. 1 A

Receiver

Centre frequency ... 7.7 MHz ~ 8.7 MHz

Environmental Constraints

Ambient temperature

0°C to 50°C (32°F to 122°F)

Relative humidity

5% (0°C) to 90% (40°C)

Enclosure Rating

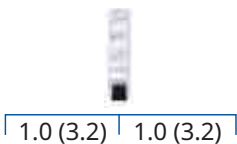
IPX0

	One 2.0m Acrylic RF Antenna	Two 2.0m Acrylic RF Antennas	Three 2.0m Acrylic RF Antennas
Product Codes			
North America (NA) (includes: 25' cable kit, power kit and base mounting kit)			
RFA-1200-N1	•		
RFA-1200-N2		•	
RFA-1200-N3			•
European Union (EU) (includes: power kit)			
RFA-1200-E1	•		
RFA-1200-E2		•	
RFA-1200-E3			•

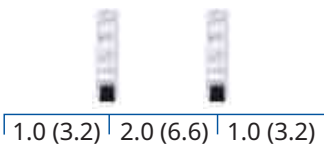
Configurations

Measurements – metres (feet)

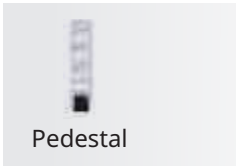
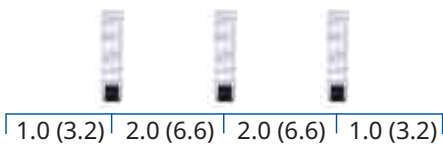
One 2.0 m Acrylic RF Antenna



Two 2.0 m Acrylic RF Antennas



Three 2.0 m Acrylic RF Antennas



Pedestal

----- *Not to exceed 20 pedestals at one exit

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Reliable affordable anti-theft protection in an attractive open frame design. The Sensormatic 2.0m Open Frame RF Pedestal delivers affordable, attractive EAS anti-shoplifting protection suitable for a variety of retail environments. This aluminium frame pedestal provides an open, clean look at store entrances and can be spaced up to 2.0 m (6 ft 6 in) apart to accommodate different storefront entrance widths. The integrated audio and visual alarms notify staff if protected merchandise passes through the detection zone.

The optional People Counting Sensors can be used to suppress incoming alarms, or to set different alarm features for incoming and outgoing alarms.

This pedestal can be integrated with Sensormatic Shrink Management as a Service, which provides retailers with data insights in order to proactively manage shrink and combat ORC activity.

The Essentials 2.0m Open Frame RF pedestal brings strong visible deterrence and detection performance to the store exit.

Retailer Values

- Can be spaced up to 2.0 m (6.6 ft) apart to accommodate different storefront entrance widths
- Modern, open-frame design complements any store setting
- Each pedestal is independently powered and requires no connection between pedestals, simplifying installation
- Built-in lighting provides visual notification of alarm events

Product Compatibility

- Sensormatic RF Roll Labels
- Sensormatic RF Hard Tag Sensors
- Sensormatic RF Deactivator
- Shrink Management as a Service

Options

Key Lock

Advertising Panels

(two panels required for one antenna)

Plexi Panels

(two panels required for one antenna)
People Counting Sensors

Specifications

Height.....167.64 cm (5.5 ft)
Width 41 cm (1.34 ft)
Base thickness.....4.5 cm (1.77 in)

Weight with base covers w/o packaging 8kg (17.637lb)
with packaging 10.6 kg (23.369 lb)

Electrical

Power Supply

Primary Input

100-120 Vac or 220-240 Vac @ 50-60 Hz

Primary Power Fuse

Electronic overload protected

One pedestal

Current Draw (120V)<0.2 Arms
Current Draw (240V)<0.1 Arms
Input power (120 V)<24 W
Input power (240 V)<24 W

Transmitter

Operating Frequency.. 7.7 MHz ~8.7MHz
Transmission burst duration 3 us
Transmission current max. 1 A

Receiver

Centre frequency ... 7.7 MHz ~ 8.7 MHz

Environmental Constraints

Ambient temperature
0°C to 50°C (32°F to 122°F)

Relative humidity
5% (0°C) to 90% (40°C)

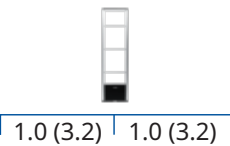
Enclosure Rating
IPX0

Product Codes	One 2.0 m Open Frame RF Antenna	Two 2.0 m Open Frame RF Antennas	Three 2.0 m Open Frame RF Antennas
North America (NA) (includes: 25' cable kit, power kit and base mounting kit)			
RFA-1100-N1	•		
RFA-1100-N2		•	
RFA-1100-N3			•
European Union (EU) (includes: power kit)			
RFA-1100-E1	•		
RFA-1100-E2		•	
RFA-1100-E3			•

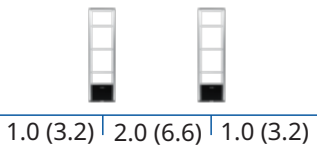
Configurations

Measurements – metres (feet)

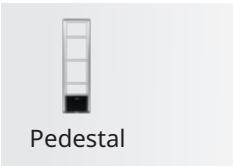
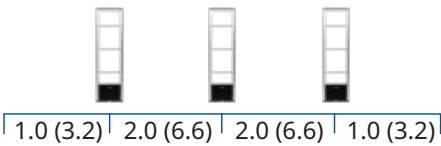
One 2.0m Open Frame RF Antenna



Two 2.0m Open Frame RF Antennas



Two 2.0m Open Frame RF Antennas



----- *Not to exceed 20 pedestals at one exit

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



Exceptional, invisible Sensormatic protection for wide store exits. The Sensormatic Synergy 2.4 m Concealed Detection System delivers exceptional yet discreet Acousto-Magnetic (AM) EAS protection for environments that require a high vertical detection zone. This system provides protection up to 1.8 m (6 ft) off the floor and exits up to 2.4 m (7 ft 10 in) wide to maximise customer flow and optimise merchandising floor space.

This system requires limited floor cutting for efficient installation. Receiver antennas mount to the door in a self-adhesive cable channel or inside the wall of the doorway. For high-detection performance, the transmitter cable is installed under the floor. If protected merchandise passes through the detection zone, the system emits an audible alert to notify store assistants.

The optional 3D Overhead Traffic Counting Sensor can also be integrated and configured to provide visibility into shopper visits to help drive incremental sales and improve conversion rates.

By integrating directional traffic information with EAS alarm events, the sensors can discern between inbound and outbound traffic. This helps to reduce unintended alarms

triggered by shoppers carrying protected merchandise near the exit. The system also includes a 'power-on-demand' feature that puts it into low-power standby operation during user-defined periods, such as off-store hours or periods of low customer activity passing through the system. Normal function returns once customer activity resumes. While in this mode, the system can save up to 78%* of power requirements.

This network-connected system delivers actionable data gathered from stores' EAS and traffic devices, as well as enabling remote diagnostics and system power management.

Through system configuration, 'Tags-too-Close' is an offered feature developed to help store assistants better manage the merchandising of tagged goods at the storefront. This feature helps to decrease nuisance alarms in order to enhance the shopper experience and reduce unnecessary, costly service calls.

Another system-configured feature is Jammer Detection which triggers a system alarm as soon as an electronic signal from a jammer device is detected. This helps to eliminate the threat of would-be thieves using this method.

*Based on the 3D Overhead Traffic

Counting System and 3004A dual configuration, power requirements and savings for other configurations will vary. Actual power savings depend on how many hours/day the AMS9060 is in low-power standby operation.

Retailer Values

- Delivers exceptional protection for wider exits to help maximise flow and optimise floor space
- Enhances loss prevention efforts and increases shopper visibility through network connected storefront alarms and traffic intelligence
- Helps to lower the cost of ownership with limited floor cutting at installation
- Maximises storefront floor space with 'tags-too-close' feature
- Helps to reduce shrink by notifying staff of the presence of a jammer device with a distinct audible alarm

Product Compatibility

Sensormatic AM Sensors

Synergy Pedestals

Door-Max

Amorphous Core Receiver

3D Overhead Traffic Counting Sensor

Wireless Device Manager

Wireless module

Shrink Management as a Service

Specifications

AMS3004-A

Cap-board enclosure

Length 210mm (8.25in)

Width 271 mm (10.6 in)

Depth 83.75 mm (3.29 in)

Weight 2.1 kg (4.6 lb)

Power supply (AMS9060)

Electrical

Primary Input

100-120 VAC or 220-240 VAC 50-60 Hz

Primary Power Fuse

3.15 A, 250 V, slo-blow, hi-breaking

Current Draw

(120 V) <0.29 Arms

(240 V) <0.24 Arms

Input Power

(120 V) <19.7 W

(240 V) <19.7 W

	Single Loop Antenna	Dual Loop Antenna(s)	AMS9060 Controller and Digital Remote Alarm	Conduit Kit	Glass Mounting Kit
Product Codes					
ZA3004-1A	•		•		
ZA3004-2A		•	•		
ZP3004-CONDUIT				•	
0352-0072-01					•

Transmitter

Transmission burst duration 1.6 ms

Transmission current 4.5-14 Ao-p
(loop size related)

Burst Repetition Rate

90 Hz with 1 loop

45 Hz for each loop in 2-loop system

Receiver

Centre frequency 58 kHz±200 Hz

Receiver Coil Resistance 13 m (40 ft),
4-conductor, shielded, direct-burial,
plenum-rated

Loop cable 18 m (60 ft), 2-conductor,
shielded, direct-burial rated

Cap box power cable 13 m (40 ft),
2-conductor, shielded, plenum-rated

Configurations

(please see Installation Guide for additional options)

Measurements – metres (feet)

Single



2.4 (7.10)

Dual



2.4 (7.10) 2.4 (7.10)



System

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



Exceptional, invisible Sensormatic anti-theft protection for wide store exits. The Sensormatic Synergy 9.6 m Concealed Floor System delivers exceptional yet discreet Acousto-Magnetic (AM) EAS protection for retail environments with wide exits or open architecture requirements. This system provides merchandise protection for up to 9.6 m (31.5 ft) of coverage with a detection height of up to 1.2 m (4 ft); it emits an audible alert to notify store assistants if protected merchandise passes through the detection zone.

The installation of this concealed system impacts store operations minimally by eliminating the need for sub-floor excavation. Its thin, flat antenna simplifies the installation process even further by allowing the antenna to mount directly onto the concrete floor, then covering the antenna with flooring material. It is the ideal detection system for locations where pedestal systems or floor excavation is unwanted or prohibited.

The optional 3D Overhead Traffic Counting Sensor can be integrated and configured to provide visibility into shopper visits to help drive incremental sales and improve conversion rates.

By integrating directional traffic information with EAS alarm events, the sensors can discern between inbound and outbound traffic. This helps to reduce unintended alarms triggered by shoppers carrying protected merchandise near the exit. The system also includes a 'power-on-demand' feature that puts it into low-power standby operation during user-defined periods, such as off-store hours or periods of low customer activity passing through the system. Normal function returns once customer activity resumes. While in this mode, the system can save up to 93%* of power requirements.

This network-connected system delivers actionable data gathered from stores' EAS and traffic devices, as well as enabling remote diagnostics and system power management.

Through system configuration, 'Tags-too-Close' is an offered feature developed to help store assistants better manage the merchandising of tagged goods at the storefront. This feature helps to decrease nuisance alarms in order to enhance the shopper experience and reduce unnecessary and costly service calls.

Another system-configured feature is Jammer Detection which triggers a system alarm as soon as an electronic signal from a jammer device is detected. This helps to eliminate the threat of would-be thieves using this method.

*Based on the 3D Overhead Traffic Counting System and 3004A dual configuration, power requirements and savings for other configurations will vary. Actual power savings depend on how many hours/day the AMS9060 is in low-power standby operation.

Retailer Values

- Delivers exceptional protection for wider exits to help maximise flow and optimise floor space
- Enhances loss prevention efforts and increases shopper visibility through network connected storefront alarms and traffic intelligence
- Helps to lower the cost of ownership with limited floor cutting at installation
- Maximises storefront floor space with 'tags-too-close' feature
- Helps to reduce shrink by notifying staff of the presence of a jammer device with a distinct audible alarm

Product Compatibility

- Sensormatic AM Sensors
- Synergy Pedestals
- Door-Max
- Amorphous Core Receiver
- 3D Overhead Traffic Counting Sensor
- Wireless Device Manager
- Wireless module
- Shrink Management as a Service

Specifications

AMS3030-A/AL & AMS3031-A/AL Capacitor Board Enclosure

Length 47.5cm (1.55ft)
 Width 37.8 cm (1.24 ft)
 Depth..... 8.5 cm (3.3 in)
 Weight 2.4 kg (5.25 lb)

AMS2020-A Antenna

Length of two coils 1.98m (6ft 5in)
 Width of two coils .. 0.925 m (3 ft 03 in)
 Height of brackets . 4.25 mm (0.167 in)
 Weight 7.3 kg (16.1 lb)

Power Supply (AMS9060) Electrical

Primary Input

100-120 VAC or 220-240 VAC @ 50-60 Hz

Primary Power Fuse

3.15 A, 250 V, slo-blow, hi-breaking

Current Draw

<1.13Arms

< 0.72Arms

Input Power

<82.1W

<90.0W

Transmitter

Operating Frequency...58kHz (± 200Hz)
 (sync pulse 56kHz)

Transmission burst duration 1.6 ms

Max. transmission current... 20 A peak

Burst Repetition Rate

..... 90 Hz (1 or 2 ants.)

..... 45 Hz (3 or 4 ants.)

..... 45 Hz (1 floor ant. and 2 pedestals)

.... 45 Hz (2 floor ants. and 2 pedestals)

Receiver

Centre frequency 58 Hz±200 Hz

Floor antenna (Tx/Rx) cable ..4-conductor,
 shielded, burial-rated

Cap box Tx/Rx cable.....13 m (40 ft),
 4-conductor, shielded, direct-burial,
 plenum-rated

Cap box comm cable 13 m (40 ft),
 4-conductor, shielded, plenum-rated

Environmental Constraints

Operating temperature

0°C to 50°C (32°F to 122°F)

Relative humidity

0 to 90% non-condensing

Enclosure

IPX0

Evaluated for altitudes up to 3200 m
 (10500 ft)

Declarations

EMC

47 CFR Part 15

RSS 210

Safety (second edition)

UL/EN 62368-1

CSA C22.2.60950-1

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).

Product Codes	Single Floor Antenna(s)	Dual Floor Antenna(s)	Split Floor Antenna(s)	Quad Floor Antenna(s)	AMS9060 Controller and Digital Remote Alarm	Floor Stencil	Single Cap Board Enclosure
ZA2020-1A	•				•		
ZA2020-2A		•			•		
ZA2020-3A			•		•		
ZA2020-4A				•	•		
ZP2020-STENCIL						•	
ZPENCL-CAP-S							•

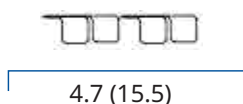
Configurations

Measurements – metres (feet)

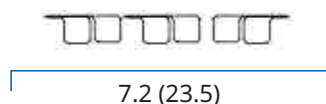
Single



Dual

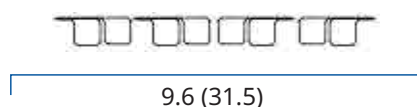


Split



Loop

Quad



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Exceptional, invisible Sensormatic anti-theft protection for virtually any retail environment. The Sensormatic Synergy 8.6 m Concealed Floor System delivers exceptional yet discreet, Acousto-Magnetic (AM) EAS protection for wide retail environments. This system provides protection for exits up to 8.6 m (28.5 ft) and a vertical detection zone of up to 1.2 m (4 ft), emitting an audible alert to notify store assistants if protected merchandise passes through the detection zone.

For existing retail environments, the AMS3030-A/AL is an ideal solution. Installation simply requires floor cuts in concrete where the antenna cabling is placed. Once secured, flooring material is then applied over the antenna. The AMS3031-A/AL version is intended for pre-construction installation. Its setup protects detection antennas against possible interference if metal or rebar is discovered below the subfloor. Both installation options deliver AM EAS detection for wide exits or open architecture requirements.

The optional 3D Overhead Traffic Counting Sensor can also be integrated and configured to provide visibility into shopper visits in order to help drive incremental sales and

improve conversion rates.

By integrating directional traffic information with EAS alarm events, the sensors can discern between inbound and outbound traffic. This helps to reduce unintended alarms triggered by shoppers carrying protected merchandise near the exit. The system also includes a 'power-on-demand' feature that puts it into low-power standby operation during user-defined periods, such as off-store hours or periods of low customer activity passing through the system. Normal function returns once customer activity resumes. While in this mode, the system can save up to 93%* of power requirements.

This network-connected system delivers actionable data gathered from stores' EAS and traffic devices, as well as enabling remote diagnostics and system power management.

Through system configuration, 'Tags-too-Close' is an offered feature developed to help store assistants better manage the merchandising of tagged goods at the storefront. This feature helps to decrease nuisance alarms in order to enhance the shopper experience and reduce unnecessary and costly service calls.

Another system-configured feature is Jammer Detection which triggers a system alarm as soon as an electronic signal from a jammer device is detected. This helps to eliminate the threat of would-be thieves using this method.

*Based on the 3D Overhead Traffic Counting Sensor and 3030A quad configuration, power requirements and savings for other configurations will vary. Actual power savings depend on how many hours/day the AMS9060 is in low-power standby operation.

Retailer Values

- Delivers exceptional protection for wider exits to help maximise flow and optimise floor space
- Enhances loss prevention efforts and increases shopper visibility through network connected storefront alarms and traffic intelligence
- For minimal impact on store operations, AMS3030-A/AL antenna installation eliminates costly, large-scale excavations

- Helps to protect detection antennas against possible interference if metal or rebar is discovered during construction installation for optimal system performance (AMS3031-A/AL only)
- Enhances the shopper experience and maximises storefront floor space with 'tags-too-close' feature
- Helps to reduce shrink by notifying staff of the presence of a jammer device with a distinct audible alarm

Product Compatibility

- Sensormatic AM Sensors
- Synergy Pedestals
- Door-Max
- Amorphous Core Receiver
- 3D Overhead Traffic Counting Sensor
- Wireless Device Manager
- Wireless module
- Shrink Management as a Service

Specifications

AMS3030-A/AL & AMS3031-A/AL

Capacitor Board Enclosure

Length 47.5cm (1.55ft)
 Width 37.8 cm (1.24 ft)
 Depth 8.5 cm (3.3 in)
 Weight 2.4 kg (5.25 lb)

AMS3031-A/AL

AMS3031-A Floor Loop Antenna

Length (w/o coupling) .. 172cm (5ft 7in)
 Length (w/coupling) .. 176.9cm (5ft 9in)
 Width 93.6 cm (3 ft 1 in)
 Height (at coupling) 4.3 cm (1.7 in)
 Weight (conduit & wires). 8.6 kg (19 lb)

Power Supply (AMS9060) Electrical

Primary Input

100-120 VAC or 220-240 VAC @ 50-60 Hz

Primary Power Fuse

3.15 A, 250 V, slo-blow, hi-breaking

Current Draw

<1.13Arms
 < 0.72Arms

Input Power

<82.1W

<90.0W

Transmitter

Operating Frequency .. 58kHz (± 200Hz)
 (sync pulse 56kHz)
 Transmission burst duration 1.6 ms
 Max. transmission current... 20 A peak

Burst Repetition Rate

Based on 50 Hz ac 75 Hz or 37.5 Hz
 Based on 60 Hz ac 90 Hz or 45 Hz

Receiver

Centre frequency 58 kHz Floor Antenna (Tx/Rx)
 Cable 4-conductor, shielded, burial-rated
 Cap box Tx/Rx cable 13 m (40 ft), 4-conductor, shielded, direct-burial, plenum-rated
 Cap box comm cable 13 m (40 ft), 4-conductor, shielded, plenum-rated

Environmental Constraints

Operating temperature
 0°C to 50°C (32° to 122°F)

Relative humidity
 0 to 90%, non-condensing

Enclosure
 IPX0

Evaluated for altitudes up to 3200 m (10500 ft)

Declarations

EMC
 47 CFR, Part 15
 RSS 210

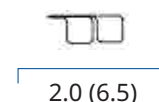
Safety (second edition)
 UL/EN 62368-1
 CSA C22.2.62368-1

Configurations-Examples

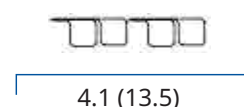
(please see Installation Guide for additional options)

Measurements – metres (feet)

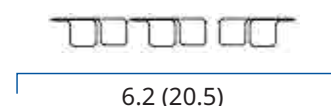
Single



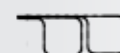
Dual



Split



Quad



System

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).

Product Codes	Single Antenna 2.0 m (6.5 ft)	Dual Antennas 4.1 m (13.5 ft)	Split Antennas 6.2 m (20.5 ft)	Quad Antennas 8.66 m (28.5 ft)	AMS9060 Controller and Digital Remote Alarm	Stencil	Level	Shielding Tray and Tiles
ZA3030-1A (40 ft cable run)	•				•			
ZA3030-2A (40 ft cable run)		•			•			
ZA3030-3A (40 ft cable run)			•		•			
ZA3030-4A (40 ft cable run)				•	•			
ZA3030-1AL (60 ft cable run)	•				•			
ZA3030-2AL (60 ft cable run)		•			•			
ZA3030-3AL (60 ft cable run)			•		•			
ZA3030-4AL (60 ft cable run)				•	•			
ZP3030-a-STENCIL						•		
ZA3031-1A (40 ft cable run)	•				•			
ZA3031-2A (40 ft cable run)		•			•			
ZA3031-3A (40 ft cable run)			•		•			
ZA3031-4A (40 ft cable run)				•	•			
ZA3031-1AL (60 ft cable run)	•				•			
ZA3031-2AL (60 ft cable run)		•			•			
ZA3031-3AL (60 ft cable run)			•		•			
ZA3031-4AL (60 ft cable run)				•	•			
ZP3031-LEVEL							•	
ZP3031-SHIELD								•

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Identify foil-lined 'booster' objects as they enter the store. Metal Foil Detection identifies 'boosters', foil-lined bags or clothing commonly used in Organised Retail Crime, when entering/exiting the store. When a 'booster' is detected, an audible or visual alarm alerts store personnel. The optional Metal Foil Detection card simply plugs into the compatible AMS9060 Controller, no external enclosure or wiring required. It features multiple custom alerts such as visual and audible alarms at the pedestal and a digital remote alarm, or triggering a relay that connects to another device such as a paging system. Unlike competitors' offerings, Metal Foil Detection does not require additional antennas to operate – optimising retail floor space and preserving store aesthetics.

Retailer Values

- Protects merchandise from sophisticated shoplifters by identifying foil-lined bags or clothing as it enters or exits the store
- Easily plugs into compatible AMS9060 Controller for a system upgrade
- Requires no additional antennas to help provide optimal retail floor space for shopper traffic and merchandise displays
- Provides full directional alarm flexibility when used with traffic counting

Product Code

ZPSP-7020-MFD

Metal Foil Detection Kit

Product Compatibility

AMS9060 Controller

Declarations

EMC

47 CFR, Part 15

EN 300 330

EN 301 489

RSS-210

Safety

IEC 62368-1

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Hidden antenna provides an open architecture solution for wide store exits. The Amorphous Core Antenna delivers maximum EAS protection with minimal visual impact on store entrances, giving retailers with wide exits an open architecture solution. The unobtrusive antenna is hidden in a raceway installed on or inside the walls on one side of a pedestal, eliminating the need for one or more pedestals in a traditional EAS system. This antenna is compatible with all AM EAS detection systems.

Retailer Values

- Open architecture solution provides wide exit coverage with minimal visual impact on store aesthetics
- Mounts easily to walls for simple installation and lower cost of ownership
- Small size has minimal impact on store aesthetics

Product Codes

ZPAMRX-S

Single Amorphous Core Receiver with Raceway

ZPAMRX-D

Dual Amorphous Core Receiver with Raceway

Product Compatibility

- Sensormatic AM Sensors
- Sensormatic Synergy Pedestals
- Ultra•Post Self-Contained Pedestals
- Sensormatic Synergy Concealed Systems

Specifications

Height..... 6.75 mm (0.266 in)
 Width 25.5 mm (1.0 in)
 Length 1.74m (5ft 8.5in)
 Weight 0.88 kg (1.95 lb) (antenna only)

Receiver

Operating Frequency..... 55-70kHz
 Rx Antenna resistance @DC . 1.8 ohms
 (+20%)

Rx Antenna resistance
 @58 kHz 75 ohms (+20%)
 Receiver cable 12 m (40 ft),
 2-conductor, shielded, burial-rated,
 plenum-rated

Environmental Constraints

Operating temperature

0°C to 50°C (32°F to 122°F)

Relative humidity

0 to 90%, non-condensing

Declarations

EMC

47 CFR, Part 15

EN 300 330

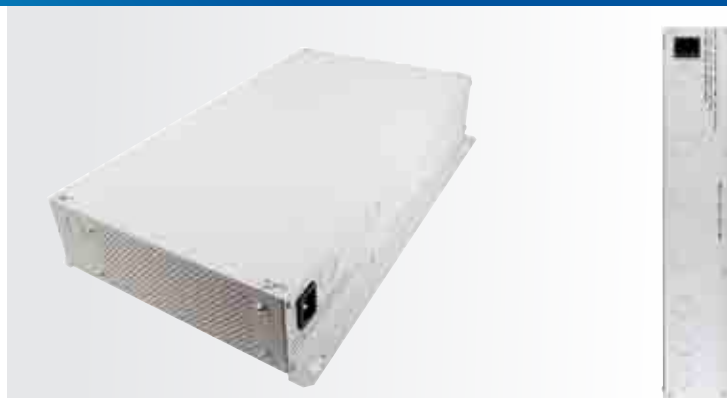
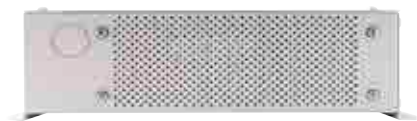
EN 301 489

RSS-210

Safety

IEC 62368-1

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Compact, energy efficient controller maximises performance for compatible detection systems. The AMS9060 Controller provides considerable cost savings, while significantly improving the performance of compatible detection systems. This controller processes signal inputs received from connected detection systems to determine whether an active AM EAS tag or label has been detected. If protected merchandise passes through the detection zone, the controller activates an integrated alarm within the detection system to notify store personnel of the theft attempt. Its Digital Signal Processing (DSP) algorithms and filter technologies ensure superior performance in high-noise environments, automatically adjusting to account for changing surroundings. Focusing on the enhancement of EAS systems and the fulfilment of retailers' evolving needs, Sensormatic Solutions engineered this advanced, lightweight controller to minimise the total cost of ownership and enhance the detection system's overall performance.

Retailer Values

- 10% smaller and over 50% lighter than prior Sensormatic controllers
- Uses 25% less power than previous Sensormatic controllers without sacrificing performance
- Built-in 4 kV surge protection minimises service and maintenance costs
- Improved synchronisation reduces installation time and false alarms caused by interferences

- Output supports intelligent Sensormatic antennas for faster, more reliable installation and service
- Eliminates noise and minimises power wastage
- Innovative DSP and filter technologies help to ensure performance under harsh electronic noise conditions
- Controls up to four pedestals to protect wide or multiple exits
- Improved backfield reduction and 'tags-too-close' feature maximise space and reduce nuisance alarms
- Jammer and Metal Foil Detection notifies staff of potential organised retail crime activity
- Network plug-in card provides remote management of EAS hardware and access reporting via web
- Automatically adjusts to avoid interference from nearby EAS detectors upon power-up or system reset
- Auto-save function prevents count data loss in case of power interruption
- Compatible with AM EAS pedestal RFID upgrades

Product Codes

ZE9060

AMS9060 Controller

Product Compatibility

- Sensormatic Synergy Pedestals
- Sensormatic Synergy Concealed Systems
- Door-Max
- Sensormatic Synergy Network Card
- Sensormatic AM Sensors
- Wireless Device Manager
- Wireless module
- Shrink Management as a Service
- Metal-Foil Detection Plug-In Card
- Digital Remote Alarm



This controller improves the performance of compatible detection systems, with considerable cost savings.

Specifications

Length 46.1 cm (18.15 in)
 Width 29.82 cm (11.74 in)
 Height 8.87 cm (3.5 in)
 Weight 2.95 kg (6.5 lb)

Electrical

Transmitter

Operating Frequency.. 58 kHz (± 200 Hz)
 Transmission burst duration 1.6 ms
 Max. transmission current... 20 A peak
 (2.4 m pedestals)
 Max. transmission current... 16 A peak
 (2 m pedestals)

Burst Repetition Rate

Based on 50 Hz ac..... 75 Hz or 37.5 Hz
 Based on 60 Hz ac..... 90 Hz or 45 Hz

Receiver

Centre frequency 58 kHz

Environmental Constraints

Ambient temperature

0°C to 50°C (32°F to 122°F)

Relative humidity

0 to 90%, non-condensing

Enclosure

IPXO

Evaluated for altitudes

<2000 m (6500 ft)

Power Supply

Primary Input

100-120 VAC

200-240 VAC @ 50/60 Hz

Primary Power Fuse

3.15 A, 250 V, slo-blow, hi-breaking

Current Draw

(120 V): <2.1 Arms

Current Draw

(240 V): < 0.9 Arms

Input Power

<165 W

Input Power

(240 V): <165 W

Declarations

EMC

47 CFR, Part 15

EN 300 330

EN 301 489

RSS-210

Safety

IEC 62368-1

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We offer a complete range of reliable deactivators that accommodate a host of point-of-sale (POS) configurations including under-counter, integrated, hand-held, bulk and self-checkout. With flexible installation and configuration options, our deactivators deliver superior deactivation performance at impressive throughput speeds, to help expedite the checkout process.

Invisible customer and effortless for the cashier, our integrated deactivators provide seamless deactivation for a host of leading compatible scanners, and help to prevent sweethearting, scan avoidance and merchandise switching. Deactivators can also be integrated into self-checkout solutions, providing a seamless customer experience. The wireless hand-held deactivator reduces assistant strain and can be used anywhere in the retail environment.



The Sensormatic Bagwell Bulk Deactivator provides a fast, secure and convenient bulk deactivation solution for mobile or self-checkout point-of-sale systems and delivers Sensormatic deactivation performance for Acousto-Magnetic (AM) labels in the retail environment. When using a mobile checkout (MCO) solution or a stationary self-checkout (SCO) system, customers personally scan each item, placing the verified merchandise directly into their trolley or bag.

Upon completion of the sales transaction, the customer will be instructed to place their bagged purchase in the Bagwell deactivation pod to deactivate the AM EAS labels. All labels are bulk deactivated allowing the customer to quickly and seamlessly complete the checkout process. The embedded configuration allows the retailer to fit the deactivator in any non-metal countertop.

Preserving store aesthetics and delivering the right look for virtually any retail setting, the Bagwell Bulk Deactivator contains high-performance Sensormatic antennas designed to automatically deactivate active AM EAS labels regardless of label orientation, for a convenient and accurate checkout. The Universal Deactivator Controller II (ZBAMB9012) provides the power to efficiently operate the deactivation antenna.

Retailer Values

- Customer self-deactivation solution for a wide range of retail environments
- Customer can independently scan, bag, check out and deactivate their merchandise without the assistance or intervention of store personnel
- Allows staff to focus on the customer to help increase sales and customer satisfaction
- Retailer can determine which transactions require label deactivation for a quicker checkout experience
- Flexible installation allows the retailer to embed in their own checkout kiosk

Product Code

ZBAMB5800E

Bagwell Antenna Kit, Universal Deactivator Controller II, Remote Alarm Module

* For all configurations, controller power cables are ordered separately

Product Compatibility

All Sensormatic AM EAS labels

Shrink Management as a Service

Electrical

Requires Universal Deactivator Controller II (AMB-9012)

Compatible with Universal Deactivator Controller (AMB-9010-IPS)

Specifications

Height..... 54 cm (21.3 in)
Width 41.8 cm (16.5 in)
Depth..... 42.4 cm (16.7 in)
Weight 26.3 kg (58 lb)

Environmental Constraints

Operating temperature
0° to 50°C (32° to 122°F)

Humidity
0% to 90% non-condensing

Declarations

Regulatory Model
LFAMB1801

Safety
UL/CSA/EN 62368-1

Equipment modification caution: equipment changes or modifications not expressly approved by Sensormatic Electronics, LLC, the party responsible for FCC compliance, could void the user's authority to operate the equipment and could create a hazardous condition.

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The Sensormatic Wireless Hand-held Deactivator provides convenient, accurate deactivation of AM EAS labels. Sensormatic Solutions' ergonomically designed, lightweight, durable and easy-to-use Wireless Hand-held Deactivator is especially useful in retail environments selling large, heavy, bulky items. With this device, EAS labels can be deactivated straight from the shopping trolley, eliminating the need to lift merchandise onto the checkout counter, thereby helping to reduce store assistant strain and fatigue while improving checkout throughput. For added flexibility the deactivator can be used anywhere in the store, enabling the quick opening of a checkout area wherever needed to help accommodate peak traffic periods.

This deactivator detects active labels up to 15 cm (6 in), and deactivates them up to 12.7 cm (5 in) above the surface of the unit. The Wireless Hand-held Deactivator will deactivate all phases of source-tagged labels. Status indicators provide visual and audible feedback on deactivation status for greater deactivation success. This device includes a long-life rechargeable battery so that it can be used for extended periods of time during store operating hours without needing to be charged. The Wireless Hand-held Deactivator is charged when placed in its docking station.

The Wireless Hand-held Deactivator can also be used for source tagging compliance audits. This device features a unique 'search mode' to allow verification that merchandise tagged at the source is arriving with an active label. When in 'search mode', the Wireless Hand-held Deactivator will not deactivate any labels. This data can be uploaded to the SMaaS analytics platform to track performance over time.

Plus, deactivation data can be integrated with the SMaaS analytics platform for insights into the number of deactivations, possible internal theft activity and identification of potential employee training gaps.

Retailer Values

- Wireless device detects and deactivates active AM EAS labels anywhere in the store for enhanced customer service and employee productivity
- Reduces nuisance EAS alarms at the door
- Speeds throughput at the point-of-sale (POS) to help improve the customer experience
- Frees up counter space; device does not need to be installed in/under POS counter
- Scans heavy, bulky items directly in the trolley, helping to prevent lifting-related injuries
- Colour LEDs and audible alerts provide immediate feedback when labels are detected and deactivated, enhancing front-end productivity
- Rugged design for reliable operation

Product Codes

ZBAMB4402

Wireless Hand-held Deactivator

0352-0594-01 (required)

Battery kit

Wireless Device Manager (one option is required)

- BIM1000-PS
- BIM1000-SMS
- BIM1000-SMS-PS

Product Compatibility

- All Sensormatic AM EAS labels
- Sensormatic Shrink Management as a Service
- Wireless Device Manager
- Wireless module

Specifications

Colour Dark Charcoal

Length

Hand-held 12.7 cm (5 in)

Docking Station 12.7 cm (5 in)

Width

Hand-held 11.4 cm (4.5 in)

Docking Station 12.85 cm (5.062 in)

Height

Hand-held 19.05 cm (7.5 in)

Docking Station 6.73 cm (2.625 in)

Weight

Hand-held 0.584 kg (20.59 oz)

Base 0.206 kg (7.26 oz)

Power supply weight 0.277 kg (9.77 oz)

Electrical

Docking Station

DC input 12 Vdc @ 2.5A

Power Adapter

100-240 V, 50/60 Hz

DC output 12 Vdc, 4.0 A max., 48 W

Environmental Constraints

Operating temperature 0°C to 40°C
(32°F to 104°F)

Declarations

Deactivator and Docking Station

EMC

47 CFR, FCC Part 15

RSS 210

EN 300 330-2

EN 301 489-1

EN 301 489-3

EN 300 328

EN 61000-3-2

EN 61000-3-3

Safety

UL/CSA/EN 62368-1

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



The Sensormatic Power Pad Pro Deactivator offers superior deactivation reliability at impressive throughput speeds. The Power Pad Pro deactivates active AM EAS labels up to 17.5cm (7in) above its surface at a throughput speed of up to 200cm/sec (80in/sec) — allowing deactivation of both source-tagged and retailer-tagged merchandise.

Designed to accommodate various till point configurations, the PowerPad can be installed on or below the counter, or at the counter edge with brackets. The optional Remote Alarm Module can be mounted almost anywhere at the till point. The alarm module provides audible and visual confirmations when active labels are detected and deactivated. The locking key feature within the alarm module prevents unauthorised use of the Power Pad Pro when the point of sale is unattended.

The Universal Deactivator Controller II (ZBAMB9012) provides the power to efficiently operate the deactivation antenna.

The deactivator can be integrated with the Sensormatic Shrink Management as a Service analytics platform, which offers device management and provides predictive insights to help retailers reduce shrink, optimise labour and increase sales.

Retailer Values

- Flexible installation options accommodate a variety of till point configurations
- Fast deactivation accelerates checkout and alleviates unnecessary shopper delays
- EAS connectivity option allows generation of operational information to help quickly identify and correct performance issues
- Built-in audible and visual indicators provide immediate feedback when active labels are detected and deactivated, enhancing front-end productivity

Product Codes

ZBSMP-PW

Power Pad Pro Deactivator, Universal Deactivator Controller II

ZBAMB9012

Universal Deactivator Controller II

ZBSMPPPE

Power Pad Pro Antenna Only

ZBSTP-PPE-B1

Flush-mount tray

ZBSTP-PP-B2

Under-the-counter bracket

ZBSTP-PPE-B3

Cantilever mounting bracket

* For all configurations, controller power cables are ordered separately

Product Compatibility

- All Sensormatic AM EAS labels
- Wireless Device Manager
- Wireless module
- Shrink Management as a Service
- Deactivation Remote Alarm module

Specifications

Length	39.3cm (15.5in)
Width	17 cm (6.7 in)
Height.....	5.7 cm (2.2 in)
Weight	9.6 kg (21 lb)
Pad cable length	3 m (10 ft)

Electrical

Requires Universal Deactivator Controller II (AMB-9012)

Compatible with Universal Deactivator Controller (AMB-9010-IPS)

Environmental Constraints

Operating Frequency

58 kHz

Operating temperature

0°C to 40°C (32°F to 104°F)

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



The Sensormatic SlimPad Deactivator offers reliable deactivation for till points with limited space. The Slim Pad Pro automatically deactivates active AM EAS labels up to 15cm (6in) above its surface at a throughput speed of up to 200cm/sec (80in/sec).

Its narrow design allows installation on either side of the scanner to help maintain the proper flow of products: first over the scanner, then over the deactivator.

The optional Remote Alarm Module can be mounted almost anywhere at the till point. The alarm module provides audible and visual confirmations when active labels are detected and deactivated. The locking key feature within the alarm module prevents unauthorised use of the SlimPad when the point of sale is unattended.

The Universal Deactivator Controller II (ZBAMB9012) provides the power to efficiently operate the deactivation antenna.

The deactivator can be integrated with the Sensormatic Shrink Management as a Service analytics platform, which offers device management and provides predictive insights to help retailers reduce shrink, optimise labour and increase sales.

Retailer Values

- Narrow design allows installation on either side of the scanner to maintain proper 'scan-deactivation' product flow
- Fast deactivation accelerates checkout and alleviates unnecessary shopper delays
- EAS connectivity option allows generation of operational information to help quickly identify and correct performance issues
- Built-in audible and visual indicators provide immediate feedback when active labels are detected and deactivated, enhancing front-end productivity

Product Codes

ZBSMP-SL

Slim Pad Pro Deactivator, Universal Deactivator Controller II, Remote Alarm Module

ZBAMB9012

Universal Deactivator Controller II

ZBSMPSPPE

Slim Pad Pro Antenna Only

ZPSTP-RA

Remote Alarm module

ZPSL-B2

Under-the-Counter Mounting Bracket

ZPSL-B3

End-of-the-counter cantilever bracket

* For all configurations, controller power cables are ordered separately

Product Compatibility

- All Sensormatic AM EAS labels
- Wireless Device Manager
- Wireless module
- Shrink Management as a Service
- Deactivation Remote Alarm module

Specifications

Length	35.7 cm (14.0 in)
Width	11.4 cm (4.5 in)
Height.....	7.0 cm (2.8 in)
Weight	6.5 kg (14.3 lb)
Pad cable length	3 m (10 ft)

Electrical

Requires Universal Deactivator Controller II (AMB-9012)

Compatible with Universal Deactivator Controller (AMB-9010-IPS)

Environmental Constraints

Operating Frequency

58 kHz

Operating temperature

0°C to 40°C (32°F to 104°F)

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



The Sensormatic CompactPad Deactivator provides convenient and simple deactivation for even the smallest till point areas. Designed in front-end applications where high-speed throughput is not a priority, this unit deactivates active AM EAS labels up to 15 cm (6 in) above the surface of the pad at a throughput speed of up to 152 cm/sec. (60 in/sec). An LED light on the deactivator provides visual deactivation notification. Optional Remote Alarm Module provides visual and audible confirmations when active labels are detected and deactivated. The locking key feature within the remote alarm module prevents unauthorised use of the Compact Pad Pro when the point of sale is unattended. The alarm module can be mounted almost anywhere at the till point.

The Universal Deactivator Controller II (ZBAMB9012) provides the power to efficiently operate the deactivation antenna.

The deactivator can be integrated with the Sensormatic Shrink Management as a Service analytics platform, which offers device management and provides predictive insights to help retailers reduce shrink, optimise labour and increase sales.

Retailer Values

- Designed for even the smallest till point areas to allow maximum use of counter space
- Reliable deactivation for increased customer service and fewer nuisance alarms

- EAS connectivity option allows generation of operational information to help quickly identify and correct performance issues
- Built-in audible and visual indicators provide immediate feedback when active labels are detected and deactivated, enhancing front-end productivity

Product Codes

ZBSMP-CM

Tabletop system: Compact Pad Pro Deactivator, Universal Deactivator Controller II, Remote Alarm Module

ZBSMP-CM-F

Flush-mount system: Compact Pad Pro Antenna, Universal Deactivator Controller II, Remote Alarm Module

ZBSMPCPE

Tabletop Compact Pad Pro Antenna Only

ZBSMPCPEF

Flushmount Compact Pad Pro Antenna Only

* For all configurations, controller power cables are ordered separately

Product Compatibility

- All Sensormatic AM EAS labels
- Wireless Device Manager
- Wireless module
- Shrink Management as a Service
- Deactivation Remote Alarm module

Specifications

Length

Tabletop 20.8 cm (8.2 in)

Flush-mount 24.2 cm (9.5 in)

Width

Tabletop 16.2 cm

Flush-mount 19.1 cm (7.5 in)

Height

Tabletop 4.9 cm (1.9 in)

Flush-mount 4.9 cm (1.9 in)

Weight 3.1 kg (6.9 lb)

Electrical

Requires Universal Deactivator Controller II (AMB-9012)

Compatible with Universal Deactivator Controller (AMB-9010-IPS)

Environmental Constraints

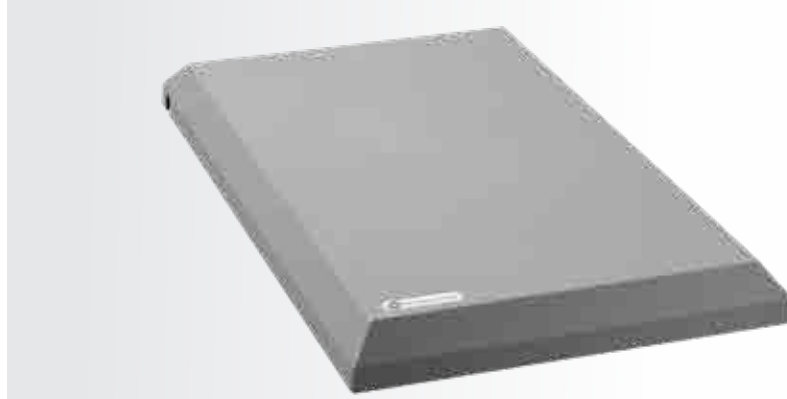
Operating Frequency

58 kHz

Operating temperature

0°C to 40°C (32°F to 104°F)

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



The Sensormatic Low Profile Pad Pro Deactivator features high-speed throughput for grocery, DIY and general merchandise retail stores. Accommodating a variety of till point configurations, this deactivator can be installed under the counter or conveyor. The unit deactivates AM EAS labels up to 20 cm (8 in) above the surface of the pad at a throughput speed of up to 254 cm/sec (100 in/sec).

The optional Remote Alarm Module provides visual and audible confirmations when active labels are detected and deactivated. The locking key feature within the alarm module prevents unauthorised use of the Low Profile Pad when the point of sale is unattended. The alarm module can be mounted almost anywhere at the till point.

The Universal Deactivator Controller II (ZBAMB9012) provides the power to efficiently operate the deactivation antenna.

The deactivator can be integrated with the Sensormatic Shrink Management as a Service analytics platform, which offers device management and provides predictive insights to help retailers reduce shrink, optimise labour and increase sales.

Retailer Values

- Flexible installation options accommodate a variety of till point configurations in high throughput environments
- Fast deactivation rates expedite checkout for increased customer service and efficiency

- EAS connectivity option allows generation of operational information to help quickly identify and correct performance issues
- Built-in audible and visual indicators provide immediate feedback when active labels are detected and deactivated, enhancing front-end productivity

Product Codes

ZBSMP-LW

Low Profile Pad Pro Deactivator, Universal Deactivator Controller II, Remote Alarm Module

ZBSMPLPE

Low Profile Pad Pro Antenna only

ZPLW-B2

Under-the-Counter Mounting Bracket

ZPLW-B6

Conveyor Mounting Bracket

* For all configurations, controller power cables are ordered separately

Product Compatibility

- All Sensormatic AM EAS labels
- Wireless Device Manager
- Wireless module
- Shrink Management as a Service
- Deactivation Remote Alarm module

Specifications

Length	35.6 cm (14 in)
Width	22.9 cm (9 in)
Height.....	2.9 cm (1.1 in)
Weight	5.4 kg (12 lb)
Pad cable length	3 m (10 ft)

Electrical

Requires Universal Deactivator Controller II (AMB-9012)

Compatible with Universal Deactivator Controller (AMB-9010-IPS)

Environmental Constraints

Operating Frequency

58 kHz

Operating temperature

0°C to 40°C (32°F to 104°F)

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



ZBAMB2011T
Deactivator Antenna,
Countertop

The Sensormatic Value Pad Deactivator deactivates active AM EAS labels up to four inches above the surface of the pad for a reliable and virtually seamless process while expediting throughput at the point of sale (POS). This unit uses a two-step detect and deactivate process. The integrated status indicators provide visual and audible notifications when live labels are successfully detected and deactivated.

In addition, the deactivator acts as a double-checking device if an assistant is ever uncertain as to whether the label was deactivated. The integrated keypad allows assistants to control the volume and tone of the deactivator to distinguish it from other POS equipment. The keypad also initiates the 'power-save' mode to help prevent theft by turning the unit off.

With a variety of installation options available – countertop, vertical and flush-mount – the sleek design and small footprint maximises POS counter space. The Value Pad operates off an ordinary electrical outlet and does not require a separate controller. The deactivator can be integrated with the Sensormatic Shrink Management as a Service analytics platform, which offers device management and provides predictive insights to help retailers reduce shrink, optimise labour and increase sales.

Retailer Values

- Scan-enable functionality only deactivates labels with a valid barcode

- Slim design allows maximum use of POS space
- EAS connectivity option allows for generation of operational information to help quickly identify and correct performance
- Built-in audible and visual indicators provide immediate feedback when active labels are detected and deactivated

Product Codes

ZBAMB2011T

Deactivator Antenna, Countertop
Mounting Bracket, Power Cord

ZBAMB2011F

Deactivator Antenna, Flushmount
Bracket, Power Cord

ZBAMB2011U

Deactivator Antenna, Under the
Counter Mounting Bracket, Power
Cord

ZBAMB2011

Deactivator Antenna only

ZBFM-B1

Flush-mount Mounting Bracket

ZPCM-B5

Tabletop Vertical Mounting Bracket

ZPCM-B6

Tabletop Side Wall Mounting Bracket

Product Compatibility

- All Sensormatic AM EAS labels
- Wireless Device Manager
- Wireless module
- Shrink Management as a Service
- Deactivation Remote Alarm module

Specifications

Length	21 cm (8.3 in)
Width	16 cm (6.3 in)
Height.....	4 cm (1.6 in)
Weight	0.95 kg (2.1 lb)
Power cable length	170 cm (5.5 ft)
Power supply weight	0.28 kg (0.6 lb)

Electrical

Deactivator

Input voltage 18 Vdc, 1.7 A

Separate Power Supply

Input voltage 100-240 Vac, 50/60 Hz

AC line current..... 1 Arms (max.)

Output voltage 18 Vdc, 1.7 A Listed
Class 2

Certified limited power source

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).

Environmental Constraints

Operating temperature

0°C to 35°C (32°F to 95°F)

Enclosure

0 to 90%, non-condensing

Declarations

EMC

47 CFR Part 15

RSS 210

EN 300330

EN 301489

Safety (second edition)

UL62368-1

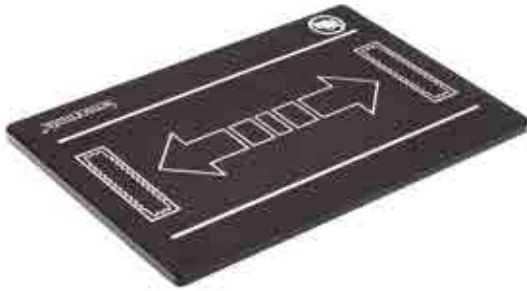
CSA C22.2.60950-1

EN 62368-1

EMF

EN 50364

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



Simple, economical deactivation. A familiar task at the point of sale (POS) includes deactivating the Electronic Article Surveillance (EAS) labels that protect retail merchandise from shoplifters. The Sensormatic Contact Deactivator Pad helps to make this part of the POS transaction easy and reliable.

The Contact Deactivator Pad is simple and easy to use. Deactivation of the active Acousto-Magnetic (AM) EAS label occurs when the label makes contact with the deactivator, and is moved horizontally across the deactivator's surface. This action will render the label inactive.

The deactivator pad does not require much space on the counter. It can be secured to the counter almost anywhere in the POS area – wherever it's most convenient. The Contact Deactivator Pad is a non-powered pad, and requires no external power source.

This solution is optimised for merchandise tagged in store and is not recommended for source-tagged items.

Retailer Values

- Flexible and versatile installation options
- Does not require any external AC power source to operate
- Economical low-cost deactivation solution

Product Code

ZK0025

Contact Deactivator Pad

Product Compatibility

All Sensormatic AM EAS labels

Specifications

Length	157 mm (6.18 in)
Width	106 mm (4.17 in)
Height.....	5 mm (0.196 in)
Weight	0.24 kg (8.46 oz)

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



The ultra-thin Sensormatic Essentials Deactivator features a large pad target area to help provide reliable performance in a single pass. Regardless of label orientation, this unit deactivates active AM EAS labels up to 10 cm (4 in) above the surface of the pad and detects labels 15.2 cm (6 in) above its surface for consistent and effective operation. The pad features integrated status indicators that provide visual and audible notifications when live labels are successfully detected and deactivated.

The AMB1200AM model is designed specifically for metal countertop installation. This model offers seamless installation without cutting into the point-of-sale (POS) counter, in an effort to maintain store aesthetics. The AMB1200 model is installed on top of the counter. The Essentials Controller powers either deactivator. For flexible installation options, the controller is attached to a flat surface and can be positioned vertically or horizontally.

The deactivator can be integrated with the Sensormatic Shrink Management as a Service analytics platform, which offers device management and provides predictive insights to help retailers reduce shrink, optimise labour and increase sales.

Retailer Values

- Deactivates protected merchandise in a single pass, regardless of label orientation, to accelerate checkout and alleviate unnecessary shopper delays

- Built-in audible and visual indicators provide immediate feedback when active labels are detected and deactivated
- EAS connectivity option allows generation of operational information to help quickly identify and correct performance issues

Product Codes

ZBAMB1200

AMB1200 Deactivation Pad (for countertop), AMB1200C Controller

ZBAMB1200A

AMB1200 Deactivation Pad (for countertop)

ZBAMB1200M

AMB1200AM Deactivation Pad (for metal countertop), AMB1200C Controller

ZBAMB1200AM

AMB1200AM Deactivation Pad (for metal countertop)

ZBAMB1200C

Essentials Controller

Product Compatibility

- All Sensormatic AM EAS labels
- Wireless Device Manager
- Wireless module
- Shrink Management as a Service
- Deactivation Remote Alarm module

Specifications

Length

ZBAMB1200 31 cm (12 in)

ZBAMB1200AM 30.2 cm (11.9 in)

Width

ZBAMB1200 18 cm (7 in)

ZBAMB1200AM 19.8 cm (7.8 in)

Height

ZBAMB1200 1.17 cm (0.5 in)

ZBAMB1200AM 2.01 cm (0.79 in)

Weight

ZBAMB1200 0.85 kg (1.9 lb)

ZBAMB1200AM 2.62 kg (5.78 lb)

Electrical

Requires Essential Controller

Declarations

EMC

47 CFR, Part 15

RSS 210

EN 300 330

EN 301 489

Safety (second edition)

UL 62368-1

CSA-C22.2.60950-1

EN 62368-1

Environmental rating

IP20

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



The Sensormatic Ultra-Thin Pad Deactivator offers high-speed throughput at checkout for grocery, DIY and general merchandise retail stores. Accommodating a variety of till point configurations, this deactivator can be installed on the countertop, under the counter and in self-checkout systems. The antenna deactivates AM EAS labels up to 13.97 cm (5.5 in) above the surface of the pad at a throughput speed of up to 80.01 cm/sec (31.5 in/sec).

The Ultra-Thin Pad can be connected to the Sensormatic SMaaS platform, which provides retailers with data and predictive analytics to help them make better decisions, reduce shrink, optimise labour and increase sales.

The Universal Deactivator Controller II (ZBAMB9012) provides the power to efficiently operate the deactivation antenna.

The optional Remote Alarm Module provides visual and audible confirmations when active labels are detected and deactivated. The locking key feature within the alarm module prevents unauthorised use of the Ultra-Thin Pad when the point of sale is unattended. The alarm module can be mounted almost anywhere at the till point.

Retailer Values

- Flexible installation options accommodate a variety of till point configurations in high throughput environments
- Fast deactivation rates expedite checkout for increased customer service and efficiency

- Captured deactivation data provides retailers with insights to drive decisions that may positively impact shrink and bottom line results when connected to the Sensormatic SMaaS reporting platform
- The embedded visual indicator provides immediate feedback when active labels are detected and deactivated, enhancing front-end productivity
- Point-of-sale system and scanner interface compatible

Product Codes

ZBAMB1200I

Ultra-Thin Pad Deactivator, Universal Deactivator Controller II, Remote Alarm Module

ZBAMB1200A-IPS

Ultra-Thin Pad Deactivator

* For all configurations, controller power cables are ordered separately

Product Compatibility

- All Sensormatic AM EAS labels
- Wireless Device Manager
- Wireless module
- Shrink Management as a Service
- Deactivation Remote Alarm module

Specifications

Length	31 cm (12 in)
Width	18 cm (7 in)
Height.....	1.17 cm (0.5 in)
Weight	0.85 kg (1.9 lb)
Pad cable length	1.83 m (6 ft)

Electrical

Requires Universal Deactivator Controller II (AMB-9012)

Compatible with Universal Deactivator Controller (AMB-9010-IPS)

Environmental Constraints

Operating Frequency

58 kHz (+200 Hz)

Operating temperature

0°C to 50°C (32°F to 122°F)

Non-operating temperature

-40°C to 70°C (-40°F to 158°F)

Relative humidity

0 to 90%, non-condensing

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



The Essentials Radio Frequency (RF) Deactivator will detect and deactivate RF labels with one swipe. This deactivator provides convenient, simple deactivation performance in even the smallest till point areas.

The deactivator deactivates active RF EAS labels up to 30 cm (11 in) above its surface when used with a 4x4 cm RF paper label. If a label cannot be deactivated, the built-in indicator will provide immediate feedback by generating a continuous beep.

With a variety of installation options – tabletop or under the counter – the sleek design maximises point-of-sale counter space. The Essentials RF deactivation controller supports scanner integration with all ‘EAS Ready’ barcode scanners.

Retailer Values

- Deactivates protected merchandise in a single pass, regardless of label orientation, to accelerate checkout and alleviate unnecessary shopper delays
- Flexible installation options accommodate a variety of till point configurations

Product Codes

RFB200
Deactivator, Controller & power supply for NA

RFB200EU
Deactivator, Controller & power supply for the EU

Product Compatibility

- All Sensormatic RF Labels
- EAS Ready Barcode Scanners
- Options
- Under-counter Bracket
- RF Remote Alarm Module

Specifications

Deactivation Pad
Length 23 cm (9.05 in)
Width 24 cm (9.44 in)
Height..... 3.0 cm (1.18 in)
Weight 0.60 kg (12.34 oz)
Cable length 1.4 m (4 ft 5.9 in)

Controller
Length 20.8 cm (8.18 in)
Width 5.7 cm (2.24 in)
Height..... 3.2 cm (1.25 in)
Weight 0.28 kg (9.87 oz)

Electrical

Separate Power Supply
Input voltage 100-240 Vac 50/60 Hz
AC line current..... 1,000 mA
Output voltage 12 DC 0.8 A Max

Environmental Constraints

Operating temperature
0°C to 40°C (32°F to 104°F)

Enclosure
5% (0°C)~90% (40°C)



CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



The Sensormatic Universal Deactivator Controller II provides the power to efficiently operate compatible EAS deactivation antennas within the store environment. It is capable of deactivating active AM EAS anti-theft security labels at up to 2.5 deactivation triggers per second. This controller offers fast, accurate POS checkout service in high-traffic, high-volume retail locations, regardless of label positioning, enhancing shopper throughput to help drive revenue.

Providing the power to drive two deactivation antennas, this controller allows each of them to independently detect and deactivate AM EAS security labels.

This controller complies with international safety requirements to ensure that global safety and quality standards are met.

Retailer Values

- Fast deactivation rates expedite checkout for increased customer satisfaction and employee efficiency
- Compact design and an internal power supply allow flexible installation options including vertical, surface and under-counter for maximum use of space, reducing installation and service costs
- The EAS connectivity option delivers operational information to help identify and correct performance issues quickly
- An LED indicator provides diagnostics information, including POS integration and health service status, to help reduce service calls

- Cable management helps to prevent accidental unplugging and unintended increases in 'nuisance' alarms

Product Code

ZBAMB9012

Product Compatibility

- Sensormatic Integrated Label Deactivators
- Sensormatic Countertop/Recessed Deactivators
- Remote Alarm module
- Shrink Management as a Service (SMaaS)

Specifications

Width 20.6 cm (8.1 in)
 Height..... 8.4 cm (3.3 in)
 Depth..... 17.7 cm (7.00 in)
 Weight 1.4 kg (3.1 lb)
 Power cable length 1.98 m (6.5 ft)

Electrical

Primary input

100-120 V/220-240 Vac 50/60 Hz (±5%)
 AC Line current
 1.4A.

Scanner Port

Maximum input voltage.. 25 Vdc (±5%)

Input 1+ and Input 2+

Input voltage ±5-12 Vdc
 typical greater than 12 V observing
 the 32 mA maximum

Input current .10 mA source minimum

Minimum pulse duration 100 ms

Detect Out..... Open-Collector side
 of an opto-isolator

Maximum pull-up voltage..... +25 Vdc

This output remains in the open state
 until label detection occurs.

It then shorts to the Detect
 Common for a minimum of 39 ms

based on label vicinity to the
 antenna plus 7 detection windows
 (5.555 x 7 = 39 ms).

Detect common..... Emitter side of the
 Detect Out opto-isolator. It normally
 should be tied to D Ground (J8, Pin 6).
 Maximum current limit: 6.3 mA @ Vce
 < 10 V 2 mA @ Vce < 0.4 V

CE This product complies with
 Directive 2011/65/EU (RoHS 2),
 2015/863 (RoHS 3) concerning
 restriction on the use of certain
 hazardous substances in electrical
 and electronic equipment (RoHS).

Environmental Constraints

Operating Frequency

58 kHz (+200 Hz)

Operating temperature

0°C to 40°C (32°F to 104°F)

Non-operating temperature

-40°C to 70°C (-40°F to 158°F)

Relative humidity

0 to 90%, non-condensing

Declarations

EMC/Radio

FCC 47 CFR, Part 15 Subparts B and C

EN 300 330 V2.1.1

EN 301 489-3 V2.3.2

EN 55032:2015/A11:2020

EN 61000-3-2:2014

EN 61000-3-3:2013

EN 55035:2017/A11:2020

ICES-003 Issue 7

RSS-210, Issue 11

Safety (second edition)

UL/EN 62368-1

CSA C22.2.62368-1

Environmental rating

IPXO

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



The compact Sensormatic Essentials Deactivator Controller offers fast, accurate checkout service to drive revenue and increase shopper throughput. This device powers Essentials deactivator antennas to effectively deactivate active AM EAS labels, regardless of orientation. Its small footprint allows vertical or horizontal installation to meet individual retailers' needs.

Retailer Values

- Reliable deactivation, regardless of label orientation, for fewer nuisance alarms and a better customer experience
- Compact design allows flexible installation options to fit virtually any retailer's needs

Product Code

ZBAMB1200C

Product Compatibility

- Essentials Deactivators
- Deactivation Remote Alarm module

Specifications

Length 29.4 cm (11.6 in)
 Width 18.7 cm (7.4 in)
 Height..... 8.15 cm (3.2 in)
 Weight 1.43 kg (3.15 lb)
 Power cable length...Approx 1.8-2.5 m
 (6-8.2 ft)

Electrical

Voltage Input

100-240 Vac ($\pm 10\%$)

50/60 Hz ($\pm 5\%$)

AC Line current

1.5 Arms max.

Environmental Constraints

Operating temperature

0°C to 40°C (32°F to 104°F)

Non-operating temperature

-40°C to 70°C (-40°F to 158°F)

Relative humidity

0 to 90%, non-condensing

Declarations

EMC

47 CFR, Part 15

RSS 210

EN 300 330

EN 301 489

Safety (second edition)

UL 62368-1

CSA-C22.2.60950-1

EN 62368-1

Environmental rating

IP20

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



ZBAMB5196
Antenna for Magellan
9600i Scanner/Scale



ZBAMB5199
Antenna for Magellan
9900i Scanner/Scale

These high-performance Sensormatic deactivators consist of antennas designed specifically to integrate with compatible Datalogic scanners. After products are scanned and information verified at the point of sale, the antennas automatically deactivate attached AM EAS labels for a fast and accurate checkout – even in high-traffic, high-volume locations.

The antenna delivers high throughput deactivation regardless of label orientation, improving front-end checkout efficiencies. These true integrated deactivation solutions help to prevent sweethearting, scan avoidance and merchandise switching.

The Universal Deactivator Controller II (ZBAMB9012) provides the power to efficiently operate the deactivation antenna.

The deactivator can be integrated with the Sensormatic Shrink Management as a Service analytics platform, which offers device management and provides predictive insights to help retailers reduce shrink, optimise labour and increase sales.

Retailer Values

- Accelerates checkout by simultaneously scanning and deactivating protected merchandise when connected to compatible scanners
- Delivers high throughput deactivation regardless of label orientation, improving front-end checkout efficiencies
- Only deactivates merchandise that has been scanned and purchased to help prevent sweethearting, scan avoidance and merchandise switching
- Built-in audible and visual indicators provide immediate feedback when active labels are detected and deactivated, enhancing front-end productivity
- EAS connectivity option allows generation of operational information to help quickly identify and correct performance issues

Product Compatibility

- All Sensormatic AM EAS labels
- Wireless Device Manager
- Wireless module
- Shrink Management as a Service
- Deactivation Remote Alarm module

Product Codes

Approved Globally

Antenna for Magellan 9900i*

- ZBAMB5199: ZBAMB5199A deactivator coil antenna, Universal Deactivator Controller II, install kit
- ZBAMB5199A: Deactivator Coil Antenna and installation kit

*Note:

no audible or visual indicators Must be retrofitted on site.

Approved Globally

Antenna for Magellan 9600i*

- ZBAMB5196: ZBAMB5196A deactivator coil antenna, Universal Deactivator Controller II, install kit
- ZBAMB5196A: Deactivator Coil Antenna and installation kit

*Note:

no audible or visual indicators Must be retrofitted on site.

Product Codes (cont.)

Approved Globally

Antenna for Magellan 9300i/9400i*

- ZBAMB5194: ZBAMB5194L deactivator coil antenna, Universal Deactivator Controller II, install kit
- ZBAMB5194L: Deactivator Coil Antenna and installation kit

*Note: must be retrofitted on site.

Approved Globally

Antenna for Magellan 9800i*

- ZBAMB5120: ZBAMB5120A deactivator coil antenna, Universal Deactivator Controller II, install kit
- ZBAMB5120A: Deactivator Coil Antenna and installation kit

*Note: must be retrofitted on site.

Approved for NA, APAC and LATAM

Antenna for Magellan 8500Xt*

- ZBAMB5190: ZBAMB5190A deactivator coil antenna, Universal Deactivator Controller II, install kit
- ZBAMB5190A: Deactivator Coil Antenna

*Note: cannot be retrofitted on site or into non-EAS ready scanners.

Retailer: when placing a scanner order, Datalogic must be informed that the purchase will include a Sensormatic EAS Deactivation Antenna.

Approved Only for EMEA

Antenna for Magellan 8500*

- ZBAMB5185R: ZBAMB5185R deactivator coil antenna, Universal Deactivator Controller II, remote alarm, install kit
- ZBAMB5185R: Deactivator Coil Antenna and installation kit

*Note: must be retrofitted on site. An industrial cover is required, minor till point modifications are necessary.

Approved Globally

Antenna for Magellan 2200VS and 3200VS

- ZBAMB5010: AMB5010A2 Vertical Antenna, Universal Deactivator Controller II, Install Kit
- ZBAMB5010A2: Vertical Antenna, installation kit
- ZPSTP-RA: Remote Alarm Module (required)

* For all configurations, controller power cables are ordered separately

Electrical

Requires Universal Deactivator Controller II (AMB-9012)

Compatible with Universal Deactivator Controller (AMB-9010-IPS)



ZBAMB5194
Antenna for
Magellan
93/9400i model



ZBAMB5120
Antenna for
Magellan 9800i
model



ZBAMB5185R
Antenna for
Magellan 8500
model

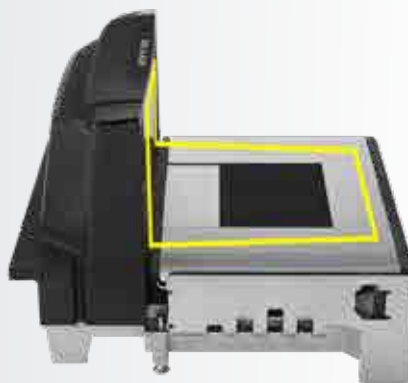


ZBAMB5190
Antenna for
Magellan
8500Xt model



ZBAMB5014
AMB5014 Vertical
Antenna integrates
around Magellan
vertical scanners
3400VSi, 3200VSi,
2200VS

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



ZBAMB5296

AMB5296 Bi-Planar Antenna for NCR Voyix RealScan™ 7896 Bi-Optic Imager

High-performance Sensormatic deactivators consist of antennas designed to integrate with compatible NCR Voyix RealScan™ Bi-Optic Scanner/Scales. After products are scanned and information verified at the point of sale, attached AM EAS labels are automatically deactivated for fast and accurate checkout – even in high-traffic, high-volume locations. The integrated antenna delivers high throughput deactivation, regardless of label orientation, to help improve front-end checkout efficiencies. These truly integrated deactivation solutions also help to prevent sweethearting, scan avoidance and merchandise switching.

The antennas feature a design and geometry unique to compatible NCR Voyix RealScan™ Bi-Optic Scanner/Scales and must be retrofitted on site. The antenna is located inside the scanner housing to eliminate the need for till point modifications and reduce overall installation costs.

The Universal Deactivator Controller II (ZBAMB9012) provides the power to efficiently operate the deactivation antenna.

The deactivator can be integrated with the Sensormatic Shrink Management as a Service analytics platform, which offers device management and provides predictive insights to help retailers reduce shrink, optimise labour and increase sales.

Retailer Values

- Accelerates checkout by simultaneously scanning and deactivating protected merchandise
- Improves front-end efficiencies with high throughput deactivation, regardless of label orientation
- Helps to prevent sweethearting, scan avoidance and merchandise switching by only deactivating merchandise that has been scanned and purchased
- Reduces overall installation costs by eliminating the need for till point modification
- Enhances front-end productivity with built-in audible and visual indicators that provide immediate feedback when active labels are detected and deactivated
- Generates operational information to help quickly identify and correct performance issues associated with EAS connectivity

Product Codes

Bi-Planar Antenna for NCR Voyix RealScan™ 7896 Bi-optic Imager (compatible with assisted lanes and NCR Fastlanes 7360, 7358, 7357, 7371 NG Hybrid *, 7372 [card only])

- **ZBAMB5296**

AMB5296 L-Shape Single Coil Antenna, Antenna Install Kit, Universal Deactivator Controller II

*For NCR7371 SCO Ferrite kit is required 0352-1061-01

Bi-Planar Antenna for NCR Voyix RealScan™ 77 Bi-Optic Scanner (compatible with assisted lanes and Fastlanes)

- **ZBAMB5277**

AMB5277 Horizontal and Vertical Antennas, Universal Deactivator Controller II, Install Kit

Bi-Planar Antenna for NCR Voyix RealScan™ 78 Bi-Optic Scanner / Scale (compatible with assisted lanes and Fastlanes)

- **ZBAMB5278**

AMB5278 Horizontal and Vertical Antennas, Universal Deactivator Controller II

Product Codes (cont.)

Antenna for NCR Voyix RealScan™ 84
Single Window Scanner/Scale

- **ZBAMB5212**
AMB5212 Horizontal Antenna,
Universal Deactivator Controller II,
Install Kit
- **ZBAMB5014**
AMB5014 coil antenna kit, Universal
Deactivator Controller II, Install Kit

* For all configurations, controller
power cables are ordered separately

Product Compatibility

- All Sensormatic AM EAS labels
- Wireless Device Manager
- Wireless module
- Shrink Management as a Service
- Deactivation Remote Alarm module

Electrical

Requires Universal Controller II
(AMB-9012)

Compatible with Universal Controller
(AMB-9010-IPS)

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marks is under licence. Features and
specifications are subject to change
without prior notice.



ZBAMB5277
AMB5277 Bi-Planar
Antennas for NCR
Voyix RealScan™ 77



ZBAMB5212
AMB5212
Horizontal Antenna
for NCR Voyix
RealScan™ 84



ZBAMB5278
AMB5278 Bi-Planar
Antennas for NCR
Voyix RealScan™ 78



ZBAMB5014
AMB5014 Vertical
Antenna integrates
around the NCR
Voyix NCR7884
vertical scanner
housing

CE This product complies with
Directive 2011/65/EU (RoHS 2),
2015/863 (RoHS 3) concerning
restriction on the use of certain
hazardous substances in electrical
and electronic equipment (RoHS).



NCRVOYIX
SelfServ XK22
Kiosk



NCRVOYIX
SelfServ 90 Kiosk

The high-performance Sensormatic deactivator is an antenna designed specifically to integrate with the NCRVOYIX SelfServ XK22 and 90 kiosks. After the transaction is initiated, products are scanned and the antenna deactivates AM EAS labels for a convenient and accurate checkout. Regardless of label orientation, an active label can be deactivated up to 4.5 inches away from the scanning window.

The deactivation antenna design and geometry is unique to NCR-compatible kiosks and must be retrofitted on site. The antenna is embedded directly behind the imaging scanner window housing, allowing accurate deactivation once merchandise is scanned.

The Universal Deactivator Controller II (AMB-9012) provides the power to efficiently operate the deactivation antenna.

The deactivator can be integrated with the Sensormatic Shrink Management as a Service analytics platform, which offers device management and provides predictive insights to help retailers reduce shrink, optimise labour and increase sales.

Retailer Values

- Streamlines the checkout process by simultaneously scanning and deactivating protected merchandise to help alleviate unnecessary shopper delays
- Enables deployment in space-constrained retail locations without impacting merchandising space
- Generates operational information to help quickly identify and correct performance issues with the EAS connectivity option

Product Codes

ZBAMB5290

AMB5290A, Universal Deactivator Controller II

ZBAMB5290A

AMB5290, Vertical Coil Antenna Kit

ZBAMB-9012

Universal Deactivator Controller II

* For all configurations, controller power cables are ordered separately

Product Compatibility

- All Sensormatic AM EAS labels
- Wireless Device Manager
- Wireless module
- Shrink Management as a Service
- Deactivation Remote Alarm module

Electrical

Requires Universal Deactivator Controller II (AMB-9012)

Compatible with Universal Deactivator Controller (AMB-9010-IPS)

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



ZBAMB5472

Antenna for Zebra MP7200 Multi-Plan Bi-Optic Scanner/Scale



This high-performance Sensormatic Solutions deactivator antenna is specifically designed to integrate with the Zebra MP7200 Multi-Plane Bi-Optic Scanner/Scales for a more streamlined checkout experience. After products are scanned and validated at the point of sale, AM EAS labels are automatically deactivated for fast and accurate checkout.

The AMB-5472 antenna must be retrofitted on site. The antenna is embedded inside the scanner housing to eliminate the need for till point modifications and reduce overall installation costs.

The Universal Deactivator Controller II (ZBAMB9012) provides the power to efficiently operate the deactivation antenna.

The deactivator can be integrated with the Sensormatic Shrink Management as a Service analytics platform, which offers device management and provides predictive insights to help retailers reduce shrink, optimise labour and increase sales.

Retailer Values

- Accelerates checkout by simultaneously scanning and deactivating protected merchandise
- Improves front-end and self-checkout efficiencies with high throughput deactivation, regardless of label orientation
- Helps to prevent sweethearting, scan avoidance and merchandise switching by only deactivating scanned items

- Reduces overall installation costs by eliminating till point modification
- Sensormatic- and Zebra-integrated deactivation solution enhances front-end and self-checkout productivity with built-in diagnostics (audible and visual indicators) that provide the user with health status, detection and deactivation information
- Generates operational information to help quickly identify and correct performance issues associated with EAS connectivity

Product Codes

Bi-Planar Antenna for Zebra MP7200 Multi-Plane Bi-Optic Scanner/Scale

ZBAMB5472: ZBAMB5472L -Low Inductance Antenna kit, Universal Deactivator Controller II

Horizontal & Vertical Integrated Antenna for Zebra SP7200

ZBAMB5014: ZBAMB5014A Single Coil Antenna kit, Universal Deactivator Controller II

* For all configurations, controller power cables are ordered separately

Product Compatibility

- All Sensormatic AM EAS labels
- Wireless Device Manager
- Wireless module
- Shrink Management as a Service
- Deactivation Remote Alarm module

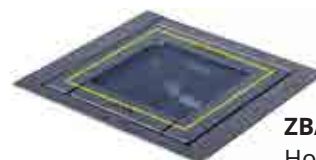
Electrical

Requires Universal Deactivator Controller II (AMB-9012)

Compatible with Universal Deactivator Controller (AMB-9010-IPS)



ZBAMB5014
Vertical Antenna for Zebra SP7208 or LS7708



ZBAMB5014
Horizontal Integrated Antenna for Zebra SP7200

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



The high-performance Sensormatic deactivator is an antenna designed specifically to integrate with compatible BEETLE/iSCAN EASY eXpress Self-Checkout kiosks. After the transaction is initiated, products are scanned and the antenna deactivates AM EAS labels for a convenient and accurate checkout.

Regardless of label orientation, an active label can be deactivated up to 4.5 inches away from the scanning window. The deactivation antenna design and geometry is unique to the BEETLE/iSCAN EASY eXpress kiosk, and ships completely installed within the unit from the scanner manufacturer.

The Universal Deactivator Controller II (ZBAMB9012) provides the power to efficiently operate the deactivation antenna.

The deactivator can be integrated with the Sensormatic Shrink Management as a Service analytics platform, which offers device management and provides predictive insights to help retailers reduce shrink, optimise labour and increase sales.

Retailer Values

- Expedites the self-checkout process by simultaneously scanning and deactivating protected merchandise to alleviate unnecessary shopper delays
- Deactivator arrives installed in the self-checkout kiosk, providing seamless integration with the scanner
- Captured deactivation data provides retailers with insights to drive decisions that may positively impact shrink and bottom-line results when connected to the SMaaS reporting platform

Product Codes

ZBAMB5500

Vertical Coil Antenna Kit Controller

ZBAMB5500A

Vertical Coil Antenna kit

ZBAMB-9012

Universal Deactivator Controller II

* For all configurations, controller power cables are ordered separately

Product Compatibility

- All Sensormatic AM EAS labels
- Wireless Device Manager
- Wireless module
- Remote Alarm module
- Shrink Management as a Service

Electrical

Requires Universal Deactivator Controller II (AMB-9012)

Compatible with Universal Deactivator Controller (AMB-9010-IPS)



AMB5500A

Integrated Deactivator
Vertical Coil Antenna

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



The high-performance Sensormatic deactivator is an antenna designed specifically to integrate with compatible Fujitsu Mini-Express Self-Checkout kiosks. After transaction is initiated, customers can personally scan each item while the antenna simultaneously deactivates the AM EAS labels for a convenient and accurate checkout.

Regardless of label orientation, an active label can be deactivated up to 4.5 inches away from the scanning window. The deactivation antenna design and geometry is unique to the Fujitsu Mini-Express Self-Checkout kiosk and must be retrofitted on site. The antenna is embedded directly behind the imaging scanner window housing, allowing accurate deactivation once merchandise is scanned.

The Universal Deactivator Controller II (ZBAMB9012) provides the power to efficiently operate the deactivation antenna.

For added EAS effectiveness, integrated deactivators can be connected to Shrink Management as a Service which provides remote management of devices along with predictive analytics to help retailers make better decisions, reduce shrink, optimise labour and increase sales.

Retailer Values

- Streamlines the checkout process by allowing the customer to independently scan and deactivate protected merchandise to help alleviate unnecessary shopper delays
- Enables deployment in space-constrained retail locations without impacting merchandising space
- Gain insights to help make effective data-driven decisions that may positively impact shrink and bottom line results when connected to SMaaS

Product Codes

ZBAMB5600

Vertical Coil Antenna, Universal Deactivator Controller II

ZBAMB5600A

Vertical Coil Antenna kit

ZBAMB9012

Universal Deactivator Controller II

* For all configurations, controller power cables are ordered separately

Product Compatibility

- All Sensormatic AM EAS labels
- Wireless Device Manager
- Wireless module
- Remote Alarm module
- Shrink Management as a Service

Electrical

Requires Universal Controller II (AMB-9012)

Compatible with Universal Controller (AMB-9010-IPS)



ZBAMB5600A

Vertical Coil Antenna

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



Sensormatic Solutions offers a variety of power, hand-held and magnetic detachers that allow for quick and efficient removal of hard tags from protected merchandise at the point of sale. Detachers are available in multiple mounting configurations that minimise impact on counter space.



MKAMK-1020

SuperTag 4 Detacher Countertop Mount



MKAMK-1030

SuperTag 4 Detacher Flush-mount

The Sensormatic SuperTag 4 power detacher removes the SuperTag 4 hard tag from protected merchandise at the point of sale for quick and efficient operation while enhancing throughput.

Backwards-compatible with previous generations of SuperTag hard tags, this detacher operates through an ordinary electrical outlet and is available as a countertop or flush-mounted unit for maximum use of checkout space. With its innovative programmable built-in keypad, the SuperTag 4 power detacher can be customised to help prevent unauthorised use.

To help retailers deter internal theft, the SuperTag 4 power detacher can be integrated with the Sensormatic SMaaS analytics platform. This platform offers insights into the number of detachments made, time of day and device. This data can help to identify possible internal theft activity and detachers being used outside of regular store operating hours, and can also help to identify employee training gaps.

The power detacher is also available in a dual-technology AM/RFID version providing both asset protection and item-level data for stock management.

The RFID component also offers added security at checkout by ensuring SuperTag 4 detaches if the hard tag matches the purchased merchandise. This matching is also beneficial in high-risk areas such as self-checkout, providing added protection to these environments.

Retailer Values

- Designed with additional security to help reduce shrink and increase profitability
- Using the AM/RFID version offers excellent product protection and item-level visibility which can be leveraged for future RFID investments
- Features a compact design and flexible installation option to maximise use of checkout space
- Provides insights into possible internal theft activity and can also help to identify employee training gaps when integrated with the Sensormatic SMaaS analytics platform
- Can be integrated with self-checkout solutions

Product Codes

MKAMK1020DT

Countertop Mount Detacher with power supply and power cable

MKAMK1030FM

Flush-mount Detacher with power supply and power cable

MKAMK-1020

SuperTag Detacher Countertop Mount

MKAMK-1030

SuperTag Detacher Flush-mount

Product Compatibility

- SuperTag Portfolio
- Wireless Device Manager
- Wireless module
- Shrink Management as a Service

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).

Specifications

Length

Countertop 15 cm (5.9 in)

Flush-mount 21.9 cm (8.62 in)

Width

Countertop 10.3 cm (4.05 in)

Flush-mount 17.2 cm (6.77 in)

Depth

Countertop 6.4 cm (2.52 in)

Flush-mount 6.4 cm (2.52 in)

Weight

Countertop 1.06 kg (2.3 lb)

Flush-mount 1.13 kg (2.5 lb)

Electrical

Detacher Input 24 Vdc/2.0 A (2.0 A)
max.

Power Supply Input

(based on Sensormatic part#5606-0083-01) 100-240 Vac (50/60Hz)/1,8A
(1.8A)

Power supply output 24 Vdc/2.0 A

Environmental Constraints

Operating temperature

0°C to 40°C (32°F to 104°F) ambient

Enclosure

0 to 90%, non-condensing

Storage temperature

-40°C to 70°C (-40°F to 158°F)

Evaluated for altitudes less than 3200
m (10500 ft)

Declarations

EMC

47 CFR Part 15

EN55022

EN55024

EN61000-3-2

EN61000-3-3

ICES 003

EN55014-1

EN55014-2

Safety (second edition)

UL 62368-1

CSA C22.2.60950-1

EN 62368-1

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



The Sensormatic SuperTag 4 manual hand-held detacher is ergonomically designed to comfortably and easily remove the SuperTag 4 tag from protected merchandise at point of sale for quick and efficient operation while enhancing throughput.

Backwards compatible with previous generations of SuperTag hard tags, this detacher provides a lightweight and portable detacher solution. It features a symmetrical handle/trigger design that accommodates both left- and right-handed users and includes a top-mounted tag 'nest' that allows easy operation with either hand. Assistants simply insert any SuperTag tag into the nest beneath the thumbnail tab, press the tag down flush in the nest, then squeeze the trigger to release the tack.

The tough, moulded construction makes it rugged and user-friendly – without sacrificing durability. For added security, this detacher has an internal EAS element to alarm detection systems if an attempt is made to remove it from the retail environment.

Retailer Values

- Ambidextrous design allows for quick and efficient removal of SuperTag tags from protected merchandise to accelerate checkout and alleviate unnecessary shopper delays
- Rugged construction helps to ensure reliable operation in spite of everyday drops and bumps
- No electric power or batteries needed for operation in any environment
- Integrated lanyard helps to prevent removal from the store

Product Code

AMD-3050-ST4

Product Compatibility

SuperTag Portfolio

Specifications

Length 18.77cm (7.39in)
 Width 12.07 cm (4.75 in)
 Depth..... 10.05 cm (3.96 in)
 Weight 0.4 kg (14.70 oz)

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



The Sensormatic SuperTag Manual Hand-held Detacher is ergonomically designed to comfortably and easily remove SuperTags at the point of sale. At only 0.36 kg (12.77 oz), this detacher provides a lightweight and portable detacher solution. It features a symmetrical handle/trigger design that accommodates both left- and right-handed users and includes a top-mounted tag 'nest' that allows easy operation with either hand.

Assistants simply insert any SuperTag into the nest beneath the thumbnail tab, press the tag down flush in the nest, then squeeze the trigger to release the tack. The tough, moulded construction makes it rugged and user-friendly – without sacrificing durability. For added security, this detacher has an internal EAS element to alarm detection systems if an attempt is made to remove it from the retail environment.

Retailer Values

- Ambidextrous design allows for quick and easy operation with either hand
- Rugged construction helps to ensure reliable operation in spite of everyday drops and bumps
- No electric power or batteries needed for operation in any environment
- Integrated lanyard helps to prevent unauthorised use and prevents removal from the store

Product Code

MK225-1

Product Compatibility

SuperTag Portfolio

Specifications

Length	19.56cm (7.7in)
Width	7.43 cm (2.9 in)
Depth.....	10.86 cm (4.2 in)
Weight	0.36 kg (12.7 oz)

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



MKD400-BL
Countertop
or Recessed
Detacher



Designed for quick and efficient removal of magnetic 9 kG security tags from merchandise at the point of sale (POS), this high-strength detaching platform provides security for a full range of products. These detachers are easy to use and can be secured directly to – or recessed into – the POS countertop in order to maximise space while maintaining high standards of security.

The mobility feature of the coiled cable hand-held detacher (MKDAMK4100-CBL) allows cashiers to remove magnetic 9 kG security tags from heavy, bulky merchandise in the shopping trolley and at the POS counter. It attaches to the countertop via the integrated coiled cable and features a locking key to prevent unauthorised use. For added security, the detacher has an internal EAS element that will alarm detection systems if an attempt is made to remove it from the store.

The countertop detacher (MKD400-BL) maximises space at the POS and expedites throughput with one-handed detaching of magnetic 9 kG hard tags. It fastens directly onto – or recesses into – any POS countertop to prevent removal from the store and features a locking key to prevent unauthorised use.

The optional Retrofit Kit (MKDAMK421) combines superior unlocking magnetic strength with the detaching capabilities of the flush-mount industry-standard SuperTag Power Detacher, for a total detaching solution. This solution eliminates the need for multiple detaching devices at

the POS in a SuperTag and magnetic 9 kG hard tag environment.

Retailer Values

- One-handed detaching accelerates checkout and alleviates unnecessary shopper delays
- Extendable coiled cable allows cashiers to detach hard tags on merchandise unable to be placed on the counter
- Compact design and flexible installation options allow maximum use of POS space
- Security lock prevents unauthorised use when POS is unattended
- Seamlessly combines high magnetic detaching strength with SuperTag power detaching to eliminate the need for multiple detaching devices at the POS
- Internal EAS element within the coiled cable detacher alarms the detection system if an attempt is made to remove it from the store

Product Codes

MKD400-BL

Countertop or Recessed Detacher

MKDAMK4100-CBL

Coiled Cable Hand-held Detacher

MKDAMK4100-CL

Coiled Cable Replacement Kit

MKDAMK4210-BL

Retrofit Flush-mount Kit (not stand-alone, must attach to the SuperTag flush-mount power detacher)

MKDAMK400-L

T-Bar lock

Product Compatibility

- Sensormatic 9 kG Magnetic Strength Hard Tags
- Magnetic Alarming 2-Tone Tag
- Magnetic Mini Alarming 2 and 3-Tone Lanyard Tags

Specifications

MKD400-BL

Countertop or Recessed Detacher

Base diameter 102 mm (4.016 in)

Height..... 44 mm (1.73 in)

Weight 0.35 kg (0.77 lb)

MKDAMK4100-CBL

Coiled Cable Hand-held Detacher

Height.....73 mm (2.9 in)

Diameter 86 mm (3.4 in)

Weight 0.60 kg (1.32 lb)

Maximum coiled cable range 1.8 m
(6 ft)

MKDAMK4210-BL

Retrofit Flush-mount kit

Length 287mm (11.3in)

Width 164 mm (6.5 in)

Depth.....45 mm (1.8 in)

Weight 0.38 kg (13.4 oz)

Environmental Constraints

Operating temperature

0°C to 40°C (32°F to 104°F)

Enclosure

Retrofit Kit.. 0 to 90%, non-condensing

Coiled Cable Detacher..... 30% to 95%,
non-condensing



Coiled Cable Hand-held



Retrofit Flush-mount Kit



CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



The Sensormatic Universal 9 kG Magnetic Detacher unlocks all Sensormatic magnetic solutions as well as selected magnetic hard tags.

In addition to removing Sensormatic 9 kG magnetic tags, this versatile detacher contains an ST3 magnetic key to provide detaching capability across a wide range of hard tags. The unit's small profile allows for one-handed detaching to help expedite throughput at checkout areas.

Attached to the base with an integrated cable, the detacher can be positioned in either of two ways; detacher side up or down. When facing up, the device detaches magnetic sensors from protected merchandise. When placed face-down in the base, the device can be locked to protect against unauthorised use. The detacher can be locked so it cannot be removed from the base.

Retailer Values

- Unlocks all Sensormatic 9 kG magnetic tags
- Equipped with a ST3 magnetic key detacher, allowing removal of a wide variety of tags
- One-handed detaching accelerates checkout and alleviates unnecessary shopper delays
- Compact design and flexible installation options provide maximum space saving at point-of-sale (POS) areas
- Security lock prevents unauthorised use when the till point is unattended

Product Code

MKD601

Product Compatibility

Sensormatic 9 kG Magnetic Strength Hard Tags

Specifications

Length 126mm (4.96in)
 Width 80 mm (3.14 in)
 Depth..... 43 mm (1.69 in)
 Weight 0.448 kg (0.988 lb)
 Cable length 1.5m (4.92ft)
 Lock magnetic strength 9 kG

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



Designed for the quick and efficient removal of magnetic security tags from merchandise, this detaching solution allows retailers to open a checkout area wherever needed to help accommodate peak traffic periods. By moving the point of sale (POS) closer to the customer, the Magnetic 9 kG Mobile Detacher makes it easier for retailers to achieve the sale faster, helping to improve the purchasing process and enhance the in-store experience.

The mobile detacher allows retailers to take advantage of mobile checkout by helping to eliminate long checkout queues at the main POS; a win-win situation for both the retailer and the customer.

This durable, easy-to-use mobile detacher can be comfortably carried on a sales assistant's belt or waistband for convenient deactivation of our full range of magnetic hard tags anywhere in the store. A locking key helps to prevent unauthorised use.

Retailer Values

- Mobility enables the quick opening of a checkout area wherever needed
- Compact design allows assistants to carry the device anywhere in the store
- One-handed detaching helps to accelerate checkout and alleviate unnecessary shopper delays
- Security lock helps to prevent unauthorised use

Product Code

MKD400-MD

9 kG detacher

Product Compatibility

9 kG Magnetic Strength Hard Tag

Specifications

MKD400-MD

Base Diameter..... 62.19 mm (2.4 in)

Height..... 79.43 mm (3.1 in)

Depth..... 52.41 mm (2.06 in)

Weight 0.453 kg (1.00 lb)

Environmental Constraints

Operating temperature

0°C to 40°C (32°F to 104°F)

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



The Sensormatic Universal 5 kG Magnetic Detacher unlocks all Sensormatic 5 kG magnetic solutions, as well as selected magnetic hard tags.

In addition to removing Sensormatic 5 kG magnetic tags, this versatile detacher contains an ST3 magnetic key to provide detaching capability across a wide range of hard tags. The unit's small profile allows for one-handed detaching to help expedite throughput at checkout areas.

Attached to the base with an integrated cable, the detacher can be positioned in either of two ways; detacher side up or down. When facing up, the device detaches magnetic sensors from protected merchandise. When placed face-down in the base, the device can be locked to protect against unauthorised use. The detacher can be locked so it cannot be removed from the base.

Retailer Values

- Unlocks all Sensormatic 5 kG magnetic tags
- Equipped with a ST3 magnetic key detacher, allowing removal of a wide variety of tags
- One-handed detaching accelerates checkout and alleviates unnecessary shopper delays
- Compact design and flexible installation options provide maximum space saving at point-of-sale (POS) areas
- Security lock prevents unauthorised use when the till point is unattended

Product Code

MKD605

Product Compatibility

Sensormatic 5 kG Magnetic Strength Hard Tags

Specifications

Length 126mm (4.96in)
 Width 80 mm (3.14 in)
 Depth..... 43 mm (1.69 in)
 Weight 0.272 kg (0.599 lb)
 Cable length 1.5m (4.92ft)
 Lock magnetic strength 5 kG

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



This easy-to-use, small-profile detacher supports the Sensormatic magnetic 5 kG hard tag portfolio, expediting throughput with one-handed detaching. The detacher can be secured directly to or recessed into any point-of-sale (POS) countertop to maximise counter space. The detacher features a T-bar type lock to prevent unauthorised use and reduce theft when the POS is unattended.

Retailer Values

- One-handed detaching accelerates checkout and alleviates unnecessary shopper delays
- Compact design and flexible installation options allow maximum use of POS space
- Security lock prevents unauthorised use to reduce theft when the POS is unattended

Product Codes

MKD31-BL

5 kG Magnetic Detacher with Lock

MKD31-B

5 kG Magnetic Detacher without Lock

MKDLOCK

T-Bar Lock

Product Compatibility

Sensormatic 5 kG Magnetic Strength
Hard Tags

Specifications

Height..... 41.9 mm (1.65 in)

Base diameter 80.0 mm (3.15 in)

Weight 0.18 kg (0.40 lb)

Lock magnetic strength 5 kG

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).





The Sensormatic Pedestal systems are designed to preserve store aesthetics and deliver the right look for virtually any retail setting. The Pedestal Guard is for environments where it is likely that the antenna will be impacted by shopping trolleys. The guards help to prevent scratches, dings and minor dents that shopping trolleys can cause.

Retailer Values

- Helps to protect the EAS Pedestal from damage if impacted by shopping trolleys
- Designed to retain store aesthetics

Product Codes

AM Pedestal Guard

Indoor Rated

- 21-inch installation kit: 0352-0851-01
- 10-inch installation kit: 0352-0851-02

Outdoor Rated

21-inch installation kit:

0352-0890-01

RF Pedestal Guard

Indoor Rated

10-inch installation kit:

0352-0852-01

Product Compatibility

AM Pedestal Guard

Synergy 2.5 m Acrylic Pedestal

Synergy 2.5m ABS Pedestal

Synergy 2.0m ABS Pedestal

UltraPost Self-Contained Pedestal

Ultra 1.8 m Acrylic Pedestal

Ultra 1.8 m ABS Pedestal

Ultra 1.5 m ABS Pedestal

AlertSystems Hyperguard System

AlertSystems Metalguard System

Essentials RF Acrylic Pedestal

RF Pedestal Guard

Essentials RF Open Frame Pedestal

Specifications

AM Pedestal Guard

21-Inch Installation Kit

Height.....574.01 mm (22.60 in)

Width 609.60 mm (24 in)

Depth..... 202.59 mm (7.98 in)

Weight 6.32 kg (13.93 lb)

10-Inch Installation Kit

Height.....262.86 mm (10.35 in)

Width 609.60 mm (24 in)

Depth..... 204.10 mm (8.04 in)

Weight 4.54 kg (10.016 lb)

RF Pedestal Guard

10-Inch Installation Kit

Height.....262.86 mm (10.35 in)

Width 609.60 mm (24 in)

Depth..... 204.10 mm (8.04 in)

Weight 4 kg (8.83 lb)

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).

Integrated EAS Traffic Counter



The Integrated EAS Traffic Counter integrates into the lens of compatible EAS pedestals to provide accurate customer traffic information. This sensor's dual beam-break detects shopper presence by tracking interruptions in horizontal infrared beams between pedestals, keeping separate counts for inbound and outbound shoppers. Armed with this valuable data, investments can be directed outside to boost traffic or inside to maximise conversion and average sales.

The information provided by the traffic counter gives unparalleled visibility into business intelligence that can be used to streamline processes and improve profitability, such as optimising critical shopper-to-assistant staffing ratios and measuring the impact promotions have on traffic and conversion. This device does not replace or interfere with existing EAS detection systems and is not affected by common environmental interference such as shadows or moving masses of warm or cold air near entrances.

Retailer Values

- Provides data comparing people counting information to sales transaction data in order to determine conversion rates and the effectiveness of marketing campaigns
- Helps to optimise staffing based on customer traffic
- Provides visibility as to directionality of potential shoplifting events
- Helps to deliver accurate alarm management

Product Codes

ZPUE-PCNTR2

People Counting Sensor

ZPUE-PC2-PCBKIT

UltralExit Hardware Kit

ZPUP-PC2-CBLKIT

Ultra•Post Hardware Kit

RFA-1100-PT-13

People Counting Sensor for RF Essentials Open Frame

Product Compatibility

- UltralExit Pedestals
- Ultra•Post Pedestals
- Wireless Device Manager
- Wireless module
- Shrink Management as a Service (SMaaS)
- Digital Remote Alarm
- Metal Foil Detection

Declarations

EMC

47 CFR, Part 15

EN 55022

EN 55024 ICES-0033

Safety

UL 62368-1

CSA C22.2.60950-1

EN 62368-1

Certified as part of the UltralExit and Ultra•Post antenna series

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



The Digital Remote Alarm facilitates response to alarm events at the storefront, extending the benefits of Sensormatic's Enhanced Detection suite. This aesthetically pleasing, feature-rich device enhances existing UltraExit or UltraPost detection systems by allowing retailers to customise alerts for alarm events.

The remote alarm can be used to extend the detection system's internal audible alarm by playing a tone or standard voice message. It also features the option to record personalised messages so that retailers can inform customers and/or staff on how to respond to EAS alarms and avoid customer embarrassment.

The easy-to-see visual alarm counter logs the number of alarm events, identifying increases or decreases that may indicate staff training issues or increased shoplifting activity. Unique alarm patterns are available to differentiate events including 'Tags-too-Close' and Jammer Detection.

The simple-to-use, optional remote control adjusts the Digital Remote Alarm functions from a distance while remaining as discreet as possible. The remote is passcode-protected and will disable in two minutes if no key is pressed.

The Digital Remote Alarm provides easy management of in-store EAS programmes when connected to a compatible data management device.

Retailer Values

- The high-volume audible alarm makes it easier for store personnel to hear over ambient noise
- Traffic counting option helps to identify shopping peaks, gauge marketing effectiveness and more
- Unique alarm sequence for the 'Tags-too-Close' feature aids in merchandising products near store entrance/exits
- Jammer Device indicator includes visual and audible feedback for quicker response and more effective event management
- Remote alarm housing can be custom painted to fit any store décor
- The alarm displays counts from 0-999 and features a larger LED display for better visibility in low-light conditions

Product Codes

ZPALARM-GAC

Digital Remote Alarm, Grey w/power supply and installation kit

ZPALARM-WAC

Digital Remote Alarm, White w/power supply and installation kit

ZPALARM-GMUAC

Digital Remote Alarm Voice Message Unit, Grey w/power supply and installation kit

ZPALARM-WMUAC

Digital Remote Alarm Voice Message Unit, White w/ power supply and installation kit

ZP1060-BRKT

J-Box Mounting Bracket (attaches digital remote alarm to a J-Box mounted in or on a wall)

ZP1060-RCTF

Infrared Remote Control (allows user to control remote alarm from a distance)

Product Compatibility

- AMS9060 Controller
- AMS9050 Controller
- Wireless Device Manager
- Wireless module
- Shrink Management as a Service (SMaaS)
- Integrated Traffic Counting
- Tags-too-Close
- Jammer Detection Metal Foil Detection

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).

Specifications

Length 202mm (8in)
Width 148 mm (5.8 in)
Height.....52.7 mm (2 in)

Weight

Digital Remote Alarm .. 0.64 kg (1.40 lb)
J-Box Mounting Bracket.. 0.09 kg (0.2 lb)
AC adapter 0.03 kg (0.06 lb)
Infrared Remote Control.....0.07 kg
(0.15 lb)

Electrical

DC input 12-15 Vdc,
1A limited power source required
Contact switching current (max.).. 1.0 A
Contact switching voltage (max.).. 28 V

AC Adapter

AC input..... 100-250 Vac @5 0/60 Hz
DC output..... 12 V, 1 A min.
UL Listed Class 2
Certified limited power source

Alarm

Visual Alarm

Tag detection alarm rep rate 3 Hz
Jammer Detect alarm rep rate 6 Hz
Tags-too-Close Alarm
Pattern..... 2 Blinks/Pause

Audible Alarm

Maximum alarm volume
(measured at 1 m)..... 105 dB
Tone alarm duration (max.) 15 sec
Voice message duration (max.)..17 sec
Voice message file type.....WAV
Voice message sampling rate ... 14 kHz
Voice message bits 8 or 16
Voice message type Mono

Environmental Constraints

Operating temperature

0°C to 50°C (32°F to 122°F)

Non-operating temperature

-40°C to 70°C (-40°F to 158°F)

Relative humidity

0 to 90% non-condensing

Enclosure

IPX0

Evaluated for altitudes less than 3200
m (10500 ft)

Declarations

EMC

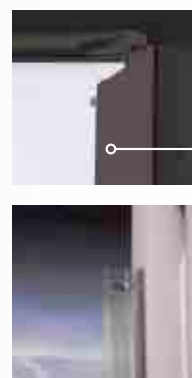
- 47 CFR, Part 15
- ICES-003
- EN61000-6-1
- EN61000-6-3
- EN61000-3-2
- EN61000-3-3

Safety (second edition)

- UL 62368-1
- CSA-C22.2.60950-1
- EN 62368-1

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).

Advertising Upgrade Kit



Frame format

The optional Advertising Upgrade Kit is designed to display poster inserts on compatible Sensormatic pedestals. By leveraging valuable real estate at the store entrance for advertisements, modern designs or simple low-cost printed graphics, this easy-to-install kit offers a flexible medium to reach a large number of potential customers on the move. It can also be used to generate additional marketing co-op profit by renting out this valuable advertising space to vendors.

Retailer Values

- Reach a large number of shoppers on the move where most purchasing decisions are made
- Generate additional marketing co-op profit by renting out advertising space to vendors
- Change poster inserts easily with slide-release clamps

Product Code

Note: one kit supports one antenna

Sensormatic Synergy Series Pedestals Frame Format

(this format not available for Synergy RFID Retrofit Panel)

ZPS-ADV1175/1180-CG (Cool Grey)
Advertising Kit for Synergy 2.0 and 2.5 ABS Pedestals

ZPS-ADV1175/1180-CG (Charcoal)
Advertising Kit for Synergy 2.0 and 2.5 ABS Pedestals

ZPS-ADV1170-CG (Cool Grey)
Advertising Kit for Synergy Self-Contained Pedestal

ZPS-ADV1170-CH (Charcoal)
Advertising Kit for Synergy Self-Contained Pedestal

Clear Clamp Format

ZPS-AD1180-CL
Advertising Kit for Sensormatic Synergy 2.0 and 2.5 ABS Pedestals

ZPS-AD1170-CL
Advertising Kit for Sensormatic Synergy Self-Contained Pedestal

Ultra•Post Pedestal

ZPUP-PSTPANEL
Advertising Kit for Ultra•Post Pedestals

Product Compatibility

- Sensormatic Synergy 2.0 ABS pedestal
- Sensormatic Synergy 2.5 ABS pedestal
- Sensormatic Synergy Self-Contained Pedestal
- Sensormatic Synergy RFID Retrofit Panel (compatible with Clear Clamp Format only)
- Ultra•Post Self-Contained Pedestal

Specifications

Frame format

Frame format includes: frame, back plate, front plate and viewable graphic

ZPS-ADV1175/1180-CG and ZPS-ADV1175/1180-CH
Weight 4.61 kg (10.16 lb)

ZPS-ADV1170-CG/1170-CH
Weight 3.02 kg (6.66 lb)

Clear Clamp Format

ZPS-AD1180-CL
Weight 0.82 kg (1.8 lb)

ZPS-AD1170-CL
Weight 0.41 kg (0.9 lb)

ZPS-ADRFID-CL
Weight 1.04 kg (2.3 lb)

Ultra•Post Pedestal

ZPUP-PSTPANEL
Weight 2.60 kg (5.75 lb)

Consumer Awareness

Although this anti-theft system complies with all applicable safety standards, poster inserts must be designed to avoid creating any delay in the movement of customers through the system. Medical implant wearers are instructed by their doctors not to linger near, or lean on, anti-theft pedestals. Graphic inserts should not encourage them to linger or lean.

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).

Outdoor Enclosure



This enclosure is designed to protect the AMS9060 controller in outdoor retail environments. Welded hardware creates a weatherproof aluminium housing that holds a thermostat control to manage internal temperatures. The thermostat prevents condensation from forming on installed equipment and ensures an evenly distributed interior air temperature.

Retail Values

- Weatherproof construction allows EAS detection in outdoor retail environments
- Thermostat control manages internal temperatures to prevent condensation which may damage the electronic components of the system

Product Codes

ZPUODPP-ENC-2

Product Compatibility

AMS9060 Controller

Specifications

Width 60.96cm (24 in)
Height..... 120 cm (47.25 in)
Depth.....20.65cm (8.13in)
Weight 22.68kg (50 lb)

Electrical

Primary input... AC 100-120/220-240 V,
50-60 Hz, 4.5/3.5 A

Environmental Constraints

Operating temperature

-30°C to 50°C (-35°F to 122°F)

Relative humidity

0 to 100% condensing

Declaration

Regulatory ID

LFAME2301

Regulatory compliance safety

UL/EN 62368-1

CSA C22.2.62368-1

IEC 60950-22

CSA/UL 60950-22

NEMA 3R/IP24

Remote Alarm module



The Deactivation Remote Alarm Module provides visual and audible notifications when an AM EAS label is successfully deactivated. This device can be mounted almost anywhere on the till point and features a key switch for turning the compatible deactivator on or off. The ZPSTP-RA1 model provides 'on' or 'standby' status only, while the ZPSTP-RA model provides audio and visual detection, deactivation and status.

Retailer Values

- Provides visual and/or audible notification of successful AM EAS label deactivation
- Features a key switch for turning the compatible deactivator on or off

Product Codes

ZPSTP-RA1

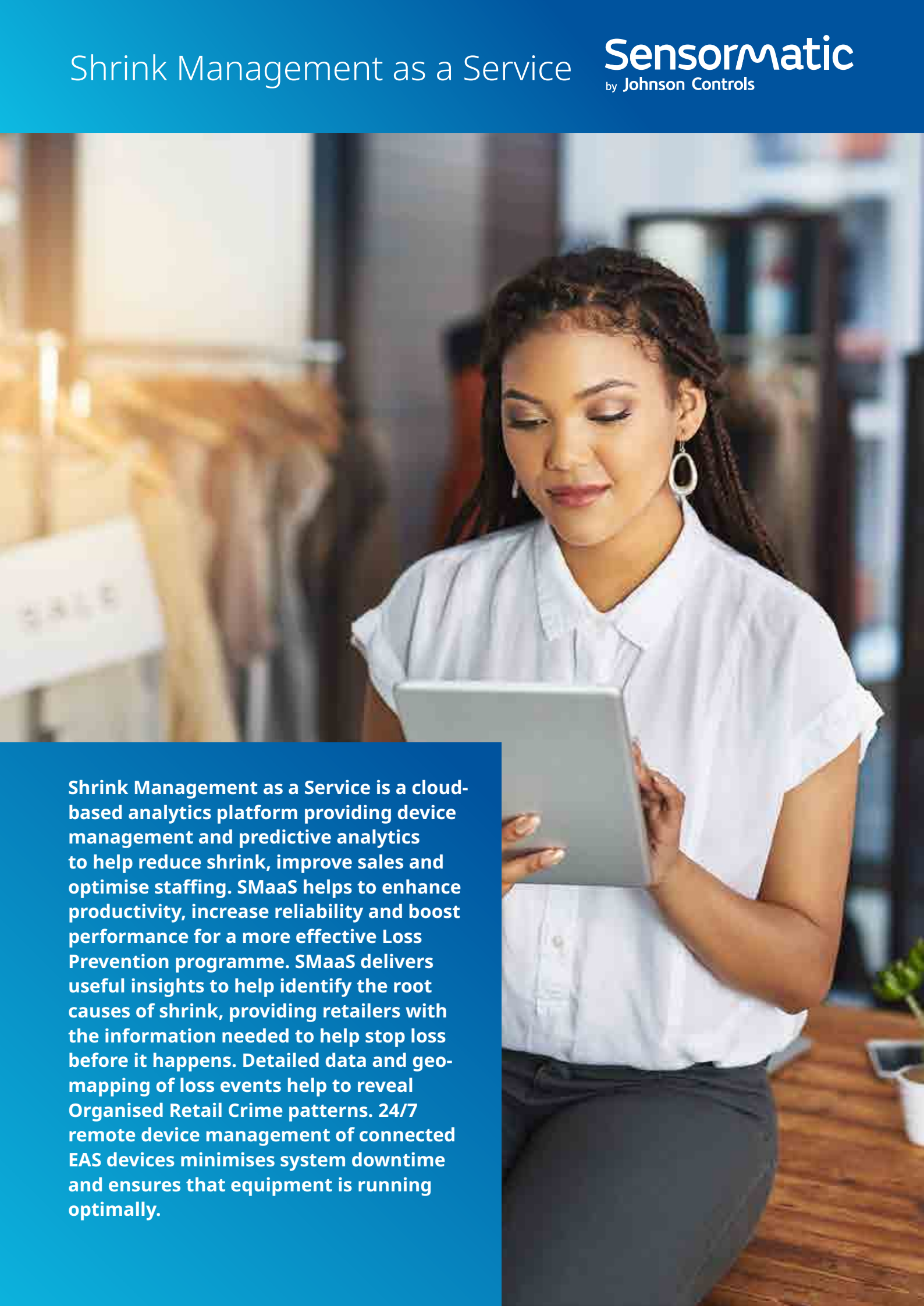
Remote Alarm Kit (4-pin connector)

ZPSTP-RA

Remote Alarm Kit (6-pin connector)

Product Compatibility

- Integrated Deactivators
- Value Pad
- Universal Deactivator Controller
- Essentials Controller
- Low Profile Pad Deactivator
- Compact Pad Deactivator
- SlimPad Deactivator
- PowerPad Deactivator

A woman with dark hair in braids, wearing a white short-sleeved button-down shirt and dark trousers, is sitting on a wooden surface and looking down at a tablet computer. She is in a retail environment, with clothing racks and a 'SALE' sign visible in the background.

Shrink Management as a Service is a cloud-based analytics platform providing device management and predictive analytics to help reduce shrink, improve sales and optimise staffing. SMaaS helps to enhance productivity, increase reliability and boost performance for a more effective Loss Prevention programme. SMaaS delivers useful insights to help identify the root causes of shrink, providing retailers with the information needed to help stop loss before it happens. Detailed data and geo-mapping of loss events help to reveal Organised Retail Crime patterns. 24/7 remote device management of connected EAS devices minimises system downtime and ensures that equipment is running optimally.

Shrink Management as a Service



Proactive. Predictive. Preventative. Shrink Management as a Service is a cloud-based offering designed to help enhance productivity, increase reliability and boost performance for a more effective Loss Prevention programme.

This innovative service provides device management along with predictive analytics, to help reduce shrink, improve sales and optimise staffing. SMaaS helps to reduce shrink while addressing underlying root causes with better equipment uptime and actionable insights. All connected devices are proactively monitored by dedicated remote diagnostic specialists to ensure that systems are online and functioning properly.

Whether the objective is to minimise shrink, increase conversion rates, optimise stock, drive employee productivity or enhance overall store performance, SMaaS provides the tools to be more effective.

Retailer Values

- Reliable and optimal system performance with 24/7 remote monitoring and management of connected EAS equipment health status for improved uptime
- With its easy-to-navigate dashboards, SMaaS helps to make sense of the data for early identification of problems and better decision making where it counts.
- Insights and analytics to help make effective data-driven decisions that may positively impact shrink and bottom line results
- Enhanced, mobile-optimised user interface allows easy access to SMaaS on any device
- Geo-mapping of Organised Retail Crime (ORC) patterns to help retailers take proactive measures to combat crime
- exacqVideo integration provides video device health monitoring and allows retailers to view video clips of incidents associated with EAS and ORC events
- Remote diagnostics and troubleshooting capabilities reduce the need for on-site service calls

- Anomaly Detection utilises historical data and AI/machine learning modelling to predict shrink events and event outliers over a set period of time. Users can review data by store, city and region for analysis and insight into problem areas.

A compatible Sensormatic gateway (or parent) device is required to connect, collect and send EAS data to SMaaS. These options are:

- Wireless Device Manager
- Sensormatic Synergy Network Card

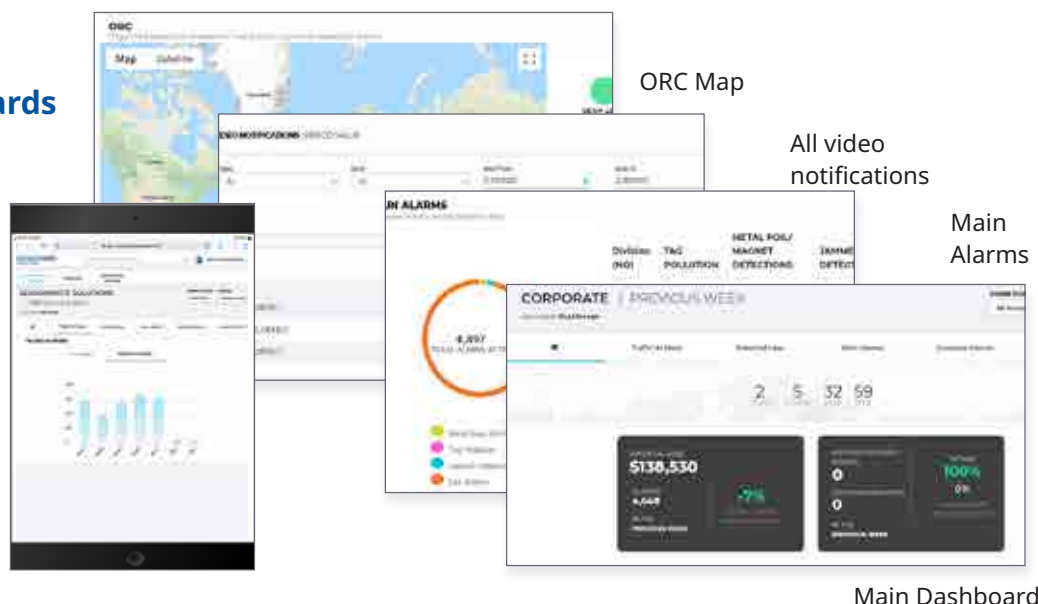


Shrink Management as a Service

SMaaS Dashboards

User-friendly dashboards can be viewed by district, by region and company-wide to isolate the information needed.

Below are a few sample dashboards and widgets.



Remote System Monitoring and Diagnostic Services

Product Code	Service
SM-RDC-EXIT	Monthly Proactive Remote Service, AM EXIT Systems (per power pack)
SM-RDC-POS	Monthly Proactive Remote Service, POS Device (per device, deactivator/detacher)
SM-RDC-EXIT-RF	Monthly Proactive Remote Monitoring for RF EXIT Systems (per pedestal)
SM-RDC-BIC	Monthly Proactive Remote Monitoring for Brickstream devices (per device)
SM-RDC-XOVIS	Proactive remote monitoring of Xovis device's health status to help improve system uptime (per device)
SM-RDC-AMG	Monthly Proactive Remote Monitoring for Alert Metal Guard devices (per device)
SM-RDC-PC	Monthly Proactive Remote Monitoring for stand-alone Dual Beam/Irysis devices (per device)
SM-RDC-VIDEO	Monthly Proactive Remote Monitoring for exacqVision video devices (per VMS)
SM-RDC-BP-ST	One-off store setup fee for a Business partner monitored customer (per store, upfront)
SM-RDC-BP	Access for Business partner to Proactive remote monitoring & diagnostic service using the RDC application (per store/per month)

Remote System Monitoring and Diagnostic Services

Product Code	Service
SM-REP-S	Monthly Reporting Access (per store: alerts, threshold settings, dashboards, notifications)
SM-REP-API	Data Export API Service (per store, included in SM-REP-S)
SM-REP-VIDEO	Video Widget Access (per store, requires SM-RDC-VIDEO)
SM-REP-ANOM	Anomaly Detection (per store, requires SM-REP-S)
SM-REP-MON	Device health, uptime status and EAS export via the SMaaS customer portal
SM-REP-ORC	Provides the likelihood of an ORC event occurring in the next 7 days based on historical events (per store)



The Wireless Device Manager seamlessly aggregates data and provides synchronisation of Sensormatic EAS devices. It aggregates, stores and securely transmits critical data – such as EAS alarm events, device health statuses, jammer detection events and people counts – over any TCP/IP network at scheduled intervals. This data is then delivered to a variety of reporting platforms, including Sensormatic Shrink Management as a Service (SMaaS). This provides the retailer with new analytics and visibility into EAS equipment health status for a more proactive loss prevention programme.

In addition, each Wireless Device Manager manages up to 64 devices (32 wireless and 32 wired) within a single retail environment. The Wireless Module connects Sensormatic EAS devices to the Wireless Device Manager. The Wireless Device Manager collects and stores data locally for up to 30 days for optimal data use. To optimise EAS performance, the Wireless Device Manager synchronises connected EAS deactivation and detection devices to help the retailer minimise failed deactivation at the point of sale and reduce false alarms at the exit.

Retailer Values

- Connects Sensormatic EAS devices through a star network via wireless secure propriety protocols
- Provides synchronisation of EAS deactivation and detection devices to reduce failed deactivation at the point of sale (POS) and minimises nuisance alarms at the exit for an improved shopper experience
- Enables remote device management and monitoring of connected Sensormatic EAS devices to help retailers ensure equipment is running effectively

Product Codes

- BIM1000: Wireless Device Manager
- BIX1000: Wireless module
- BIX1000EA: Wireless Module with Extended Antenna
- 0352-0779-01: Desktop Power Adapter

Product Compatibility

- AMS9060 Controller
- Ultra•Post Self-Contained Pedestal
- Essentials 1.8m Acrylic Pedestal
- Ultra 1.8 m ABS Pedestal
- Universal Deactivator Controller
- Essentials Deactivation Controller
- SuperTag Detacher
- AM/RFID SuperTag Detacher
- Shrink Management as a Service
- EAS Alarm Management Touch Monitor Device

Specifications

Wireless Device Manager (BIM1000)

Length 13.95cm (5.49in)
Width 11.47 cm (4.51 in)
Height..... 6.21 cm (2.44 in)
Weight 419 g (14.78 oz)

Wireless Module (BIX1000)

Length 5.86cm (2.3in)
Width 4.67 cm (1.8 in)
Height..... 2.49 cm (0.98 in)
Weight 32.66 g (1.15 oz)

Electrical

Power Supply

Primary input..... 5 V - 24 VDC input
Sync and RS485 via RJ458 pin header with LEDs for RS485

WiFi Technology

Client.....IEEE 802.11 b/g/n
Wi-Fi Device Mgr EEE802.15.4
DataDelivery XML, FTP

Regulatory

Radio Frequency of operation

Frequency band 2400-2483.5 MHz
Maximum power 10 mW in the EU
100 mW in NA

Environmental

Operating temperature

0° to 50°C (32° to 122°F)

Relative humidity

0 to 90%, non-condensing

Enclosure Rating

UL94 V-O

Declarations

EMC

47 CFR, Part 15

EN 300 328

EN 301 489-1

EN 301 489-3

EN 301 489-17

RSS 210

Safety

UL 62368-1

EN 62368-1

CSA C22.2.60950-1

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).

EAS Alarm Management Touch Monitor



The EAS Alarm Management Touch Monitor device is a powerful tool designed to help retailers drive storefront EAS compliance. Real-time alarm activity and people count data is collected and analysed. When an EAS alarm event occurs at the exit, authorised employees can enter the reason code for the alarm using the convenient touch monitor device. Plus, customer receipt data can be entered to document the occurrence of unintended alarms or alarms caused by employee error. By capturing the reason for an alarm, the item that caused it, the point-of-sale lane, and/or the cashier's name, retailers can quickly identify possible equipment issues, assess source tagging compliance, uncover training gaps and develop opportunities to improve store operations.

Retailers can also monitor assistant response times, trends in alarm occurrences and reasons for alarms, as well as items and SKUs that can cause an alarm event. When connected with compatible people counting hardware, retailers can better understand the number of customers who are entering and exiting through the monitored doorway. This data can be delivered to a variety of reporting platforms, including the Sensormatic Shrink Management as a Service cloud-based platform.

Retailer Values

- Enables structured response procedures to help increase EAS effectiveness and reduce shrink
- Saves time by eliminating manual data logging, sorting and reporting
- People counting data helps retailers to increase operational efficiencies
- Offers visibility into unintended EAS alarms to improve the shopper experience
- Helps retailers to identify training gaps related to incorrect tagging, removal and deactivation activity
- Connects to Shrink Management as a Service for better management of loss prevention programmes and equipment performance

Product Codes

BICM1000

Touch Monitor, Mounting Bracket & POE power supply

BICM1001

Touch Monitor, Mounting Bracket & POE power supply, US power cable

0352-0820-01

Touch Monitor

0352-0820-02

Touch Monitor

0352-0835-01

Mounting Bracket

BIM1000-PS

Wireless Device Manager with power supply and cable

BIMX1000-PS

- BIM1000 – Wireless Device Manager
- BIX1000 – Wireless Device Adapter
- BIM1000 Power Supply Kit

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).

Specifications

Length 26.1cm (10.28in)
Width 16.7 cm (6.57 in)
Depth..... 2.9 cm (1.14 in)
Weight 0.74 kg (1.63 lb)

Electrical

Power Supply

Primary input..... 12 V-1.5 A DC802.3af
compliant PoE, Power over Ethernet

WiFi Technology

Client.....IEEE 802.11 b/g/n
Wireless Device Mgr IEEE 802.15.4
Data delivery.....XML, FTP

Monitor

10.1" HD panel
10 points multi-touch
Programming LED strip x 2
300 cd/m2 maximum luminance
1280x800 panel resolution
Viewing angle (H/V): 175/175
Built-in speaker 2W x 2

Environmental

Operating temperature
0° to 40°C (32° to 104°F)

Relative humidity
10 to 85%, non-condensing

Declarations

EMC

47 CFR, Part 15
EN 300 328
EN 301 489-1
EN 301 489-3
EN 301 489-17
EN 300 328 (802.11b/g/n)

Safety

UL 62368-1
EN 62368-1
CSA C22.2.60950-1

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



Sensormatic Solutions' computer vision analytics are laser focused on the front-of-mind challenges most important to retailers today. Our analytics deliver operational insights for retail based on best-in-class deep learning Artificial Intelligence (AI) models. Our growing line of analytics is created in partnership with Intel and optimised for retail using Sensormatic IQ's proprietary AI algorithms. Each analytic is designed to help strengthen your loss prevention efforts, gather insights for improved shopper experiences and help you to maintain a safe environment for shoppers and assistants.

In addition to our suite of computer vision analytics, we are proud to offer a robust selection of video solutions through partnerships with leading manufacturers of video hardware, management systems and analytics software. Through these system integrations, the Sensormatic team can help tailor a video solution that is perfect for any retail environment.



Through partnerships with leading providers of video hardware and software, Sensormatic is able to offer holistic video solutions addressing common pain points that retailers face. The Sensormatic team works with retailers to develop, install and maintain video infrastructure that is tailored to each store's individual needs. Gain important insights into consumer behaviour and target areas vulnerable to loss, and help to maintain a safe and productive environment for employees and customers alike.

Retailer Benefits

- Engage Sensormatic's experienced team in tailoring a video system for any retailer environment
- Leverage the most innovative video solutions on the market through a global network of partners
- One-stop shop for all retail solutions throughout the customer journey
- Ever-expanding portfolio designed to combat tomorrow's challenges today
- Access to remote health monitoring and proactive and reactive service management through the Remote Diagnostic Centre

Problems We Solve

With Sensormatic as your video integrator, you'll gain access to a library of solutions designed to maximise profits while minimising shrink. Our partners are at the forefront of developing new, powerful analytics that will help to improve the way your store operates.

If you find yourself facing many of the below challenges, a Sensormatic-designed video ecosystem may be the answer for you.

- Combating theft in unmonitored areas
- Maximising use of store property
- Allocating staff resources properly
- Monitoring customer and employee safety
- Identifying high-shrink merchandise
- Battling employee theft and theft at the point of sale
- Managing video feeds in multiple locations
- Addressing challenges at the POS

- Recognising key persons of interest

Video Partners



*This is not an exhaustive list. Partners vary regionally. Contact your sales representative for regional availability.

- | | |
|----------------------------|------------------------------|
| • 3VR | • Holis |
| • Tyco American Dynamics | • Tyco Illustra |
| • AnyVision | • Motorola Security Products |
| • Avigilon | • Panasonic |
| • Axis | • Samsung |
| • Bosch | • Scala |
| • ClickIt | • Solink |
| • Clinton | • Uniview |
| • Tyco Exacq | • Verint |
| • FLIR | • VSBLTY |
| • Genetec | |
| • Hanwha | |





Operating a successful business means efficiently maintaining an endless series of ever-growing checklists to ensure smooth store management from opening to closing. Sensormatic Solutions' powerful Task Management service allows you to easily plan, manage and track tasks – even those assigned by off-site store and regional managers or headquarters staff.

Task Management is accessible to defined users anywhere at any time, allowing assistants to quickly complete daily tasks in an efficient, secure and error-free manner. Store and regional managers, as well as headquarters staff, can create, assign and track daily and critical tasks at store, region or company level. Dashboards are available at company and store levels to provide insights into store efficiencies and compliance.

Task Management will deliver notifications to employees in order to remind them of pending tasks, keeping everyone on track and accountable. Managers will receive alerts when checklists are late, to address any potential compliance issues.

The ability to easily track and confirm completed tasks, validating that each task has been properly addressed, helps to ensure store operations run smoothly, securely and efficiently.

Retailer Challenges

- Setting up recurring tasks with pre-defined procedures, assigning them to users, stores or regions.
- Flagging and tracking critical tasks, specifically at store, region and company level.
- Highlighting incomplete and overdue tasks and notifying stakeholders immediately.
- Assessing the store's performance and comparing it against other stores and KPIs.
- Viewing the store-level prioritised list of tasks to complete on a mobile application, in an easy-to-follow predefined flow.

Retailer Values

- Increase employee productivity and ensure critical operational procedures are carried out correctly and on time.
- Prioritise tasks so your team can ensure that they are working on the most important tasks first.
- Centralise all work that needs to be completed and automate repetitive work in order to increase efficiency and reduce errors.
- Highlight critical core tasks to ensure that they are addressed as soon as possible.
- Management is notified of overdue tasks so that follow-up actions can be taken to mitigate future re-occurrence.

Product Code

PCFS-SW-1

Compliance Manager Software
License per site



In this era of smarter food safety, it is crucial to focus on prevention, a traceable food chain and accurate timely information. This means ensuring compliance, efficiency and loss prevention are achieved through standardisation and digitalisation.

Sensormatic Solutions Digital Food Safety is a cloud-based platform designed to meet the latest food safety standards. IoT sensors and the latest digital technology are used to monitor real-time data to ensure food is safe in the cold chain. It provides a complete food quality, safety and compliance package for you and your team.

The Digital Food Safety solution eliminates time spent recording and managing record keeping, while its remote access capability means there is no need to manually audit equipment. With real-time alerts, early intervention in issues can be addressed so product losses are reduced or eliminated.

Features

- **24/7 refrigeration monitoring** of wireless IoT sensors and alarms means the right people receive food safety alerts.
- **Digitised HACCP procedures** allow employees to complete tasks efficiently through an on-site mobile device.
- **Scheduling tasks and checklists** on the device improves organisation and efficiency, leading to high levels of on-site SOPs and other compliance tasks.
- **Convenient dashboard** allows users to assess a site's performance against set KPIs and apply corrective actions as needed.
- **Workflow builder** allows you to build modules to fit your needs.
- **Reporting** provides easy-to-access, downloadable data.
- **Offline capabilities** allow you to continue to work even if connectivity is lost.

Retailer Values

Operational efficiency

Improves operational efficiency by reducing manual, paper-based tasks

Standard validation

Creates a high level of quality and consistency across all sites.

Security

Automated closed system ensures tamper-proof data acquisition and recording.

Sustainability

Elimination of paper reports reduces your carbon footprint.

Future proof

System is open to ongoing innovation and design of new modules to meet changing legislative requirements.

IoT Refrigeration Monitoring

Gateway

A device sends sensor data to the cloud using 4G or Ethernet connections.

Temperature Sensor

Wireless, battery-operated temperature sensor that is accurate to $\pm 0.5^{\circ}\text{C}$ (32.9°F) and is calibrated to NIST traceable standard.

Humidity Sensor

Wireless, battery-operated humidity sensor that is accurate to $\pm 2\%$ RH and is calibrated to NIST traceable standard.

Door Sensor

Wireless, battery-operated door contact sensor that monitors and triggers an alert if the door is open for too long.

Bluetooth Thermometer

Hand-held thermometer for food temperature checks that is accurate to $\pm 0.4^{\circ}\text{C}$ (32.7°F) and connects wirelessly to the mobile application using Bluetooth.





When monitoring food storage equipment in your operation, time is an important factor in ensuring food safety. The Cloud Connector links enabled compatible IoT wireless sensors to the Compliance Manager cloud service platform via a v 4G/LTE mobile network connection; Ethernet is also supported. The cloud-based Compliance Manager platform monitors, captures and optimises food safety requirements digitally.

The Cloud Connector will transparently relay information between all sensors in range without the need for any user intervention. Accurate monitoring of food storage equipment is the only way to eliminate the temperature issues that can cause food to spoil.

The Cloud Connector includes a SIM card which will connect to and roam freely between the best networks in the area.

Utilising a sub-1 GHz wireless communication protocol developed specifically for creating a scalable network of sensors, the Cloud Connector will maintain security while consuming little energy.

Retailer Values

- Enables remote monitoring of all Digital Food Safety devices in range to help retailers ensure equipment is running effectively.
- Pairing or configuration is not required. Simply plug in the Cloud Connector and start receiving data in the cloud.
- One Cloud Connector gateway can support thousands of sensors at the same time.

Product Codes

102572 for Europe

Cloud Connector Ethernet/4G

102573 for North America

Cloud Connector Ethernet/4G

Product Compatibility

Compliance Manager platform

Wireless Temperature and Humidity Sensors

Dimensions

153 x 114 x 30 mm (6 x 4.5 x 1.2 inches)

Weight

200 g (7.05 oz)

Power Supply

5 V DC @ 2A

Interfaces

North America 915 MHz ISM band

Europe 868 MHz SRD/ISM band

Environmental Constraints

Operating temperature

0 to 50°C (32-120°F)

Operating Humidity

10% to 90% relative humidity, non-condensing

Storage temperature

0°C to 70°C (32°F-158°F)

Storage Humidity

10% to 90% relative humidity, non-condensing

Ingress Protection

IP20

Declarations

North America

FCC, ISED, UL

Contains FCC ID: 2ATFX-102545

Contains FCC ID: ZMOMA510GL

Contains IC: 25087-102545

Contains IC: 21374-MA510GL

UL Certified, File No: E489020

UKCA Mark CE, WEEE

IEC 62368-1

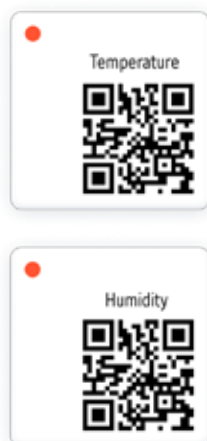
EN 300 220

EN 301 511

EN 301 908-1

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).

Wireless Temperature & Humidity Sensors



The Wireless Temperature and Dual Temperature & Humidity sensors enable you to monitor all your cabinet/equipment temperatures, humidity levels and other critical control points. Automatically and effortlessly monitor all equipment 24 hours a day, 7 days a week, and receive alerts if any of your equipment readings fall out of range.

The Temperature Sensor measures the surrounding temperature within its environment, while the Dual Temperature & Humidity sensor monitors minute changes in the atmosphere to calculate the humidity in the air. These sensors will wirelessly transmit the results to the connected Cloud Connector every 5 minutes for the Temperature Sensor and every 15 minutes for the Dual Temperature and Humidity Sensor. The data is then relayed to the Compliance Manager platform, where it can be viewed on the web and mobile applications.

The system is cost effective and uses battery-operated wireless sensors that are easily installed to allow you to get up and running quickly.

Retailer Values

- Protects products 24/7 with real-time critical asset monitoring and management.
- Proprietary technology allows sensors to work for over 7 years in the default configuration.
- Small footprint allows placement exactly where needed.
- Versatile sensor makes it possible to monitor many different areas within an operation.

Product Codes

Wireless Temperature Sensor

102595-101693 – Europe

102598-101693 – North America

Wireless Dual Temperature & Humidity Sensor

102083-101707 – Europe

102089-101707 – North America

Product Compatibility

Compliance Manager platform

Cloud Connector

Dimensions

19 x 19 x 2.8 mm (0.75 x 0.75 x 0.11 in)

Weight

3.0 g (±0.5 g)

Wireless Communication

Interfaces

North America.....915 MHz ISM band

Europe 868 MHz SRD/ISM band

Environmental Constraints

Operating temperature

-40°C to 85°C (-40°F to 185°F)

Operating Humidity

0% to 100% relative humidity

Storage temperature

Cool and dry, near normal room temperature

Declarations

EU – CE, WEEE, Batteries directive

US – Certified to FCC and ISCED regulations

FCC ID: 2ATFX-100541

IC: 25087-100541

BT1 Bluetooth Thermometer with Probe



Companies in the food industry deal with perishable goods that can go bad or become contaminated if temperatures are not correctly maintained throughout the product life cycle. Food and compliance regulations require records to be kept – along with the relevant traceability information – in order to prove that food is handled at correct temperatures.

To help ensure that these temperatures are being maintained, the convenient hand-held Bluetooth Thermometer registers temperatures, streamlining daily tasks and checklists while reducing human error. The Bluetooth Thermometer wirelessly transmits temperature checks to the Compliance Manager Platform where it can be viewed on the web and via mobile applications, simplifying the HACCP reporting process and ensuring records are consistent, complete and ready to export.

Two interchangeable probes are available for the Bluetooth Thermometer; the Fast Response Penetration Probe and the Stainless Steel Surface Probe. The Fast Response Penetration Probe delivers a versatile solution for temperature checks involving penetration of the product, with a response time of less than two seconds.

The Stainless Steel Surface Probe uses flat ribbon technology to deliver a fast and accurate response with minimal heat loss in less than one second. The probes' temperature ranges from -75°C to 250°C (-103°F to 482°F)

Measuring and recording temperatures can help to identify patterns or trends in temperature data, enabling you to optimise your operations and improve the quality of goods. Temperature data is also crucial in the early identification of any temperature excursions or deviations that could potentially harm the quality of perishable goods.

Retailer Values

- Provides fast and accurate hazard analysis critical control point (HACCP) checks
- Uses Biomaster antimicrobial technology that reduces bacterial growth
- User-friendly, simplifying tasks and helping to focus employee time elsewhere
- Large display allows clear reading to help enable timely corrective actions

Product Codes

BT1 Bluetooth Thermometer (requires one probe option below)

PCFS-BT1: EMEA, APAC & LATAM

THS-113-045: North America

Stainless Steel Surface Probe

PCFS-BT1-133-SR: EMEA, APAC & LATAM

102089-101707: North America

Fast Response Penetration Probe (120 mm)

PCFS-BT1-133-L: EMEA, APAC & LATAM

THS-113-159: North America

Fast Response Penetration Probe (80 mm)

PCFS-BT1-133-S: EMEA, APAC & LATAM

Product Compatibility

Compliance Manager platform

BT1 Bluetooth Thermometer with Probe

Dimensions

Thermometer

34 x 66 x 109 mm (1.3 x 2.59 x 4.29 in)

Stainless Steel Surface Probe

8 x 120 mm (0.315 x 4.72 in)

Fast Response Penetration Probe

03.3 x 80 mm (0.129 x 3.149 in) or

03.3 x 120 mm (0.129 x 4.72 in)

Reduced Tip

1.8 x 25 mm (0.07 x 0.984 in)

Weight

165 grams (5.82 oz)

Accuracy

$\pm 0.4^{\circ}\text{C}$ ($\pm 0.7^{\circ}\text{F}$) $\pm 0.1\%$ of reading

Resolution

0.1°C or 0.1°F to 999.9 thereafter 1°C

or 1°F

Temperature range

-199.9°C to $1,372^{\circ}\text{C}$ (-328°F to $2,502^{\circ}\text{F}$)

Bluetooth Module

Bluetooth LE

Protection Class

IP65

Compliance

North America

FCC Compliant to CFR47, Part 15,

Subpart B, for a Class B digital device

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).

Inventory Intelligence





TrueVUE Cloud is our Inventory Intelligence software as a service (SaaS) solution. Built on the Google Cloud Platform (GCP), TrueVUE Cloud provides a secure global infrastructure capable of capturing real-time stock movements throughout the entire supply chain. The system is designed to help optimise customer engagement at any stage within the purchase journey. We offer many inventory solutions for retail use cases, including cycle counting, replenishment, unified commerce, shrink visibility and many more.



TrueVUE Cloud is more than just another Software-as-a-Service (SaaS) inventory intelligence solution. Built on the Google Cloud Platform (GCP), TrueVUE Cloud provides a secure, global infrastructure capable of supporting massive-scale and demanding performance standards for a rapidly changing retail industry. TrueVUE Cloud is designed to optimise customer engagement by capturing real-time stock information through all the movements and events occurring along the customer purchase journey. An extensible API-first design helps to simplify integration efforts, while its easy-to-use and intuitive user experience reduces training time. TrueVUE cloud provides reliable, worldwide visibility into real-time stock information, the foundation of every retailer's unified commerce strategy. RFID-enabled cycle counting, interactive restocking and inventory analytics help retailers to know exactly what merchandise is available on the shop floor, in the stock room and in other zones, for efficient unified commerce execution and a frictionless shopper experience.

TrueVUE uses unique Item Label and Recipe configuration options to give retailers the control to specify precise inventory outcomes. These features allow retailers to not only identify items for restocking, but also to reserve certain items from their available stock. TrueVUE can notify and guide assistants to comply with inventory standards for merchandise and displays.

TrueVUE Cloud offers packages that include out-of-box support for buy online, pick up in store (BOPIS) tasks through automatic order notification, picking and fulfilment features that allow customers to shop anywhere, at any time. TrueVUE helps to drive sales conversion online and in store through accurate and accessible merchandise stock visibility.

Retailer Values

TrueVUE Cloud integrates with RFID devices to deliver real-time data and analytics, by store and across the company.

- Offers an efficient, easy-to-deploy RFID-enabled stock management solution
- Features highly extensible API integration capabilities that scale with business needs
- Continuous stock updates for improved inventory accuracy
- Helps to quickly restock on-floor merchandise to drive increased sales and reduce out-of-stocks and markdowns
- An easy-to-use and intuitive user experience requiring minimal training
- Improves unified commerce execution through seamless integration with business applications
- Efficiently guides sales staff from operational tasks to enhancing shopper experiences with event-driven notifications
- Provides actionable dashboards and reports using real-time data and analytics

Product Codes

TVC-EXP-CHP-MO (Express)

TVC-PRM-DIR-MO (Premier)

TVC-ULT-DIR-MO (Ultimate)

Solution Overview

Through an iOS or Android-based mobile device, the TrueVUE app links with a hand-held RFID reader to count tagged merchandise, search stock and write new tags. The collected data is synchronised to the cloud server, keeping retailer data safe and secure over the wireless connection.

Cycle Counting maintains up to 99% continuous inventory accuracy through easy, rapid and frequent merchandise counting and ongoing item movement updates in the stockroom and on the sales floor. TrueVUE Cloud provides sales staff with the information they need to attain their individual count goals. Dashboards are automatically updated with progress and requests for approval.

Product Lookup helps store assistants to find items that belong to a specific UPC or EAN. This helps to promote quick stockroom-to-sales floor restocking to help ensure accurate stock levels at all times. Our interactive Geiger counter feature simplifies searching, with visual and audible prompts guiding the store staff to the targeted item.

Replenishment prompts staff to refill products from the stockroom to the shop floor, minimising out-of-stocks and maximising sales opportunities. Intelligent, personalised business rules and item quantity thresholds help to ensure restocking efficiency

Tag Writing uses a global industry standard process for scanning barcodes and writing EPCs onto an RFID label or tag, for fast and precise tracking. It gives retailers the flexibility to write tags even when the device is offline.

Solution Features	Express	Premier	Ultimate
Cycle count	•	•	•
Replenishment	•	•	•
Product lookup	•	•	•
Movement	•	•	•
POS file upload	•	•	•
POS device integration			•
Encoding (MobileTagging)	•	•	•
Printing		Optional plug-in	Optional plug-in Optional plug-in
Receiving (inbound)	•	•	•
Shipments (outbound)		•	•
E-commerce		•	•
Picking		•	•
Display compliance		•	•
Write-off		•	•
Product item-level association		•	•
Smart exits			Optional add-on
Bin location integration			Optional add-on

Functionalities

Support (Level 1&2)	•	•	•
Mobile devices	•	•	•
Fixed infrastructure			•
APIs & dev. portal access		•	•
BI & analytics reports		•	•
Single sign-on			•

Other product lines

Distribution centre & factory			•
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Dashboards and Reporting

Our store manager dashboard links store data, tasks and staff, allowing retailers to quickly view and manage operational inventory data through a responsive web-based user-friendly design.

Solution Requirements

- Wi-Fi network that synchronises store data with the cloud server
- Compatible with selected RFID hand-held readers
- Import wizard captures master inventory product file records
- UPC and EAN formats
- EPC Gen2 Class 1 UHF RFID Tags
- GS1 EPC schemes, including GID-96 and SGTIN-96 encoding
- Compatible with selected iOS and Android mobile devices

Subscription Options

Express

Basic SaaS offering of intuitive, industry-leading RFID inventory intelligence for growing businesses

- Limited but core selection of RFID mobile-based features
- Ideal for small businesses or start-ups with limited needs

Premier

Intermediate SaaS offering of industry-leading RFID inventory intelligence for well-integrated business execution

- Broad set of RFID mobile-based features and access to extensive APIs to enable integrations that can be further extended with optional plug-ins
- Suitable for growing businesses with moderate usage requirements
- Optional plug-ins

Ultimate

Advanced SaaS offering delivers industry-leading RFID inventory intelligence tailored for seamlessly integrated businesses, empowered with fixed infrastructure capabilities

- Full set of RFID mobile-based features with the option of integrating RFID fixed infrastructure that can be further extended with optional plug-ins and add-ons
- Tailored for larger organisations with complex needs and high usage volumes
- Optional plug-ins and optional add-ons



TrueVUE Cloud Distribution Centre & Factory, by Sensormatic Solutions, helps to digitally transform your supply chain by enabling visibility from the source through to fulfilment. With this solution, retailers can achieve improved speed and productivity with real-time item-level stock visibility using Radio Frequency Identification (RFID) technology and cloud-based analytics. This technology enables you to easily track stock and optimise supply chain procedures with industry-leading transparency, to help control shipping status and store stock levels across your company. With this real-time access to merchandise flow data, you can create a smarter brand experience and merchandise authenticity.

Significant changes in consumer behaviour, purchase patterns and lifestyle priorities have highlighted deficiencies in supply chain models across physical and digital channels. Acceleration of always on/always open retailing, ever-evolving shopper expectations, unpredictable stock and product mix, as well as new operational procedures and regulations, have challenged

the ability to achieve true unified commerce. This leaves both retailers and consumers with unfulfilled experiences. TrueVUE Cloud Distribution Centre & Factory enables flexible fulfilment options designed to help meet evolving shopper expectations.

Retailer Values

- Gain full order auditing visibility easily at item level
- Rapid processing of inbound shipments, outbound shipments and package validation
- EPC item-level visibility across the supply chain
- Real-time analytics to help enable faster decisions across the company
- Extensible APIs for easy Warehouse Management System (WMS) integration
- Improve inventory accuracy beyond the store
- RFID enabled supply chain
- Improve efficiency in processing vendor substitutions and chargebacks
- Actionable and intuitive dashboards and reports help to drive more predictable outcomes

Increased Product Availability

Gain EPC item-level transparency in the movement of merchandise between the distribution centre (DC) and stores, with the real-time availability information that today's shoppers expect.

Improved Shipping Accuracy

RFID tagging of merchandise helps to ensure that the receipt of entire shipments are validated and executed at item level. This helps reduce shipping errors and provides end-to-end supply chain visibility with industry-leading accuracy.

Greater Processing Efficiency and Speed

Our global infrastructure is capable of supporting massive-scale and demanding performance standards to help you monitor supply chain procedures from DC to store with increased operational efficiency, speed and accuracy.

Receiving Visibility

Identify vendor shortages quickly and easily with EPC item-level verifications for more accurate order fulfilment.

Item-Level Traceability

Help to prevent counterfeiting and proactively detect grey market trading with item-level traceability.

Brand Loyalty

Help to improve shopper satisfaction by verifying the delivery and authenticity of genuine branded merchandise.

Real-Time Reporting

Intuitive analytic dashboards provide actionable data and insights to help enable faster decision making throughout the supply chain.



CL4NX Plus



Sensormatic Solutions is working in collaboration with SATO®, a leading manufacturer of thermal printers and Radio Frequency Identification (RFID) embedded labels, to incorporate printing and encoding capabilities into the inventory intelligence solution portfolio. With this Printing and Encoding Solution, RFID labels can be printed on demand throughout different retail channels, such as a service bureau, factory, distribution centre, or at a retail store.

The Printing and Encoding Solution is powered by TrueVUE Cloud which enables Electronic Product Code (EPC) item-level inventory records to promptly update when RFID labels are encoded, printed, and later attached to merchandise.

As a leader in stock management, this solution further expands Sensormatic's global supply chain visibility efforts and provides a flexible and simple way to help ensure all desired merchandise is equipped with an encoded RFID label at any business vertical.

The Printing and Encoding Solution is available in either Connected or Stand-alone Mode upon implementation. Connected Mode is required for integration with TrueVUE Cloud, for automated inventory record updates.

A barcode scanner is recommended to print and encode the RFID labels. Product sold separately or can be supplied by the customer.

Retailer Values

- Quickly fix inaccurate or defective labels and/or missing labels on returned merchandise
- Automate inventory record updating in real time through integration with TrueVUE Cloud
- Supports multiple printers at the same location and/or in the same inventory zone
- Does not require an external computer once software is installed on the printer
- Print on a wide variety of label sizes
- Customised label layout available
- Supports SGTIN-96, VUESER and VUESERAUTH EPC global format

Suggested Solution Application

Clothing, fashion accessories, footwear, consumer packaged goods

Product Compatibility

- TrueVUE Inventory Intelligence
- Shrink Analyzer application
- GS1 EPC Gen 2 RFID tags & labels
- Barcode scanners

Connected Mode

Connected Mode integrates with TrueVUE Cloud to print real-time EPC item-level attributes on labels. With this mode, printed labels are promptly added to inventory records dependent on the site or inventory zone assigned to the printer.

Stand-alone Mode

Stand-alone Mode operates without TrueVUE Cloud integration. With this mode, the printer uses a serial range so that generated EPCs maintain sequencing with EPCs generated by TrueVUE Cloud using the hand-held writing feature. After encoding, retailers can add these labels to their available inventory records using a hand-held reader.

Recommended Use Cases

CT4-LX Thermal Printer

Stores with a lower demand of labels per day

CL4NX Plus Thermal Printer

Distribution Centres or Service Bureaus with a high demand of labels per day



Product Specifications

CT4-LX

Print Method

Direct thermal/thermal transfer

Print Speed

14 ips (355 mm/sec)

Maximum Print Area

104 mm x 2500 mm (4.09 in x 98.43 in)

Memory

CPU1: 2 GB Flash, 256 MB RAM

CPU2: 4 MB Flash, 64 MB RAM

Interface

USB 2.0 (Type A and Type B)

Ethernet (IPv4/IPv6)

RS-232C

EXIT I/O interface

Remote Management

SNMP Ver. 3 web interface

SATO Online Services (SOS)

CL4NX Plus

Print Method

Direct thermal/thermal transfer

Print Speed

8 ips (203 mm/sec)

Maximum Print Area

104 mm x 2500 mm (4.09 in x 98.43 in)

Memory

4 GB Flash, 1 GB RAM

Interface

USB 2.0 (Type A and Type B)

Ethernet (DHCPv4/DHCPv6)

NFC

Remote Management

SNMP Ver. 3 web interface

SATO Online Services (SOS)

Printer Frequency Bands

FCC band (NA)..... 917.4-927.2 MHz

ETSI band (EU) 865-867.6 MHz

Approved Country List

Contact your Regional Sales Support for a current approved country list.

Product Codes

Please contact your Regional Solutions Manager for regional product codes.

Software Licensing

Please contact your Regional Solutions Manager for software licensing codes.

Recommended Barcode Scanners

Datalogic® Barcode Scanners

A barcode scanner is recommended to print and encode RFID labels. Product sold separately or can be supplied by the customer. Please contact your Regional Solution Manager for current barcode scanner product codes.

Note: customers may supply their own barcode scanner. If a customer does not have a barcode scanner, Sensormatic Solutions recommends the above Datalogic® Hand-held Scanners.

*SATO is a registered trademark of SATO Group. Trademarks, logos and names are the property of SATO Group and its agents. Features and specifications are subject to change without prior notice.

**The Datalogic name is a registered trademark of Datalogic S.p.A. in many countries.



CT4-LX

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



Sensormatic AM, RF and RFID Technologies are often combined to provide trusted EAS protection with item-level stock visibility that only RFID can provide. Our dual-technology solutions include a wide range of tags and labels, detection systems and point-of-sale devices that, as part of a store ecosystem, can provide retailers with real-time item-level data regarding their stock, along with asset protection.



The SuperTag 4 AM/RFID Hard Tag is the latest innovation in the SuperTag portfolio, providing our highest level of anti-theft protection to date while bringing Electronic Product Code (EPC) item-level visibility to your tagged merchandise. The SuperTag 4 AM/RFID Hard Tag provides trusted EAS protection with the stock visibility only RFID can provide. This unique dual-technology hard tag features a highly sensitive RFID inlay that allows EPC item-specific information to be programmed directly on the tag, delivering near real-time item-level visibility and asset protection simultaneously. With this tag, retailers can continue using legacy AM technology at exits and points of sale to process transactions while investing in additional RFID hardware and infrastructure for future use cases.

The SuperTag 4 AM/RFID Hard Tag features new patented merchandise protection technology that improves defeat resistance compared to earlier generations of SuperTag. These tags are especially effective when trying to combat shrink while remaining compatible with TrueVUE Cloud for Inventory Intelligence, which helps to maximise sales with improved inventory accuracy for greater on-shelf availability. The TrueVUE Cloud platform gives retailers real-time EPC item-level visibility into RAIN RFID tagged items.

With this data, retailers can more effectively manage merchandise availability, improve operations, reduce shrink and create a memorable shopping experience.

The SuperTag 4 AM/RFID Hard Tag is complemented by its own range of power detachers. This secure system ensures that the hard tags can only be unlocked by these unique detachers, which are backwards compatible with previous generations of SuperTag.

Source-Tagged versions are available so that retailers can receive floor-ready merchandise with consistent tag placement, expediting receiving and sales floor fulfilment.

Retailer Values

- Designed with additional security to help reduce shrink and increase profitability
- Offers ideal protection for high-value merchandise categories and brands
- Using the AM/RFID version offers excellent product protection and item-level visibility which can be leveraged for future RFID investments
- Helps to deliver a more user-friendly, frictionless shopper experience in self-checkout using RFID
- Provides insights into possible internal theft activity and can also identify employee training gaps when integrated with TrueVUE

Solution Application

High-value merchandise and brands, clothing and general merchandise

Product Code

IDTMST4

Product Compatibility

Detachers

SuperTag 4 AM/RFID Detacher

Exit Systems

- RFID Overhead Systems
- RFID Overhead EAS Systems
- Synergy Pedestals
- RFID Only Door-Max
- Advanpay-120 POS RFID System
- TrueVUE Inventory Intelligence
- Shrink Analyzer application

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 60°C (140°F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 60°C (140°F), up to 96 hours

Construction Materials

Tag housing High-impact ABS label housing

Low-density plethylene/polyester/polyethylene 0.127 mm (0.0050 in)

RFID inlay Copper, mylar, silicon

Tack ABS tack head with stainless steel pin

Specifications

Colour Charcoal

Length 61mm (2.4in)

Width 30.5 mm (1.20 in)

Depth 24.6 mm (0.97 in)

Weight 8.8 g (0.31 oz)

Pullout force 63.50 kg (140 lb)

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



This hard tag features a highly sensitive Radio Frequency Identification (RFID) inlay for item-level stock visibility and an AM EAS element for asset protection. The RFID component stores information specific to the protected merchandise for near real-time merchandise visibility. Source tagging is available so that retailers can receive floor-ready merchandise with consistent tag placement – expediting receiving and sales floor fulfilment.

Retailer Values

- Enables near real-time merchandise visibility
- RFID element offers an efficient way to track stock, while the AM EAS element provides product protection
- Tagging at the point of manufacture (source tagging) helps to improve tag compliance and ensures consistent application
- Source-tagged merchandise arrives floor-ready, enabling faster speed to sales floor

Suggested Solution Application

General merchandise, department stores, speciality clothing

Product Codes

New Dual Tag

IDTM2200 (Medium Grey)

Re-Circulated Dual Tag

IDTM2200R (Medium Grey)

In-Store Use

IDTM2200N – Light Grey

Tack: MJ2011B

Product Compatibility

Detachers

AM/RFID Detachers

- AM/RFID SuperTag Detacher For AM Detaching Only
- SuperTag Detacher For AM Hand-Held Detaching Only
- SuperTag Manual Hand-held

Exit Systems

- RFID Overhead Systems
- RFID Overhead EAS Systems
- Synergy Pedestals
- RFID Only Door-Max
- Advanpay-120 POS RFID System
- TrueVUE Inventory Intelligence
- Shrink Analyzer application

Detacher Type

SuperTag

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 60°C (140°F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 66°C (150°F), up to 96 hours

Construction Materials

Tag Housing

High-impact ABS

Label Housing

Low-density polyethylene/polyester/polyethylene 0.127 mm (0.0050 in)

RFID Inlay

Copper, mylar, silicon

Tack

ABS tack head/stainless steel pin

Specifications

Colour Charcoal Grey
Length 61.2mm (2.41in)
Width 30 mm (1.22 in)
Depth open..... 44.5 mm (1.75 in)
Depth latched..... 31.7 mm (1.25 in)
Weight 13.9 g (0.49 oz)

Order Multiple

Tag 1,000
Tack..... 1,000

Carton Weight

Tag 8.48 kg (18.72 lb)
Tack..... 1.17 kg (2.57 lb)

Ext. Carton Dims

Tag 476 x 292 x 219 mm
(18.75 x 11.5 x 8.6 in)
Tack... 140 x 75 x 75 mm (5.5 x 3 x 3 in)

Ext. Carton Volume

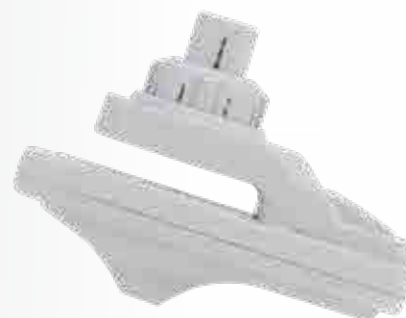
Tag 0.031 m (1.07 ft)
Tack..... 0.0008 m (0.028 ft)

Cartons per pallet

Tag
Atlanta DC 32
Echt DC 48



CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



The Sensormatic AM/RFID InFuzion SuperTag 4 is our latest hard tag innovation, providing the highest level of anti-theft protection to date while bringing Electronic Product Code (EPC) item-level visibility to tagged merchandise. Featuring Acousto Magnetic (AM) and Radio Frequency Identification (RFID) technology, this defeat-resistant hard tag was designed to provide retailers with significant labour savings and improved operational efficiencies during the tag application and removal process.

The AM/RFID InFuzion SuperTag 4 features new patented merchandise protection technology that improves defeat resistance compared to earlier generations of SuperTag and comes equipped with an integrated pin which safely protects clothing, denim, outerwear and sportswear. This unobtrusive, visible deterrent is especially effective when attached to items that are frequently targeted by Organised Retail Crime (ORC), helping retailers to further reduce shrink while maximising sales with improved on-shelf availability.

The highly sensitive RFID inlay enables item-level visibility while the AM component enables merchandise protection. This allows retailers to leverage existing Electronic Article Surveillance (EAS) infrastructure and operational benefits while investing in RFID for stock management.

The AM/RFID InFuzion SuperTag 4 is compatible with SuperTag 4 detachers. This secure system ensures hard tags can only be unlocked by these unique detachers

which are backwards compatible with previous generations of SuperTag. SuperTag 4 power detachers can also be integrated with the Cloud Inventory Intelligence Reporting Platform.

Retailer Values

- Reduces the time and labour required to apply and remove tags compared to traditional two-piece tags
- Improves safety for staff and customers with its integrated pin design
- Superior defeat-resistant design
- Helps to eliminate the need to store and sort pins and tags separately
- Speeds up checkout with easy tag removal at the POS
- Enables near real-time merchandise visibility and improves inventory accuracy
- Efficiently tracks stock while protecting products from theft
- Enables faster sales floor fulfilment and helps to improve tag compliance with source tagging

Suggested Solution Application

Clothing, denim, outerwear, sportswear

Product Code

AM/RFID Technology
IDTM6200-ST4

Product Compatibility

Detachers & Readers
SuperTag and SuperTag Manual
Hand-held

Exit Systems

- RFID Overhead Systems
- RFID Overhead EAS Systems
- Synergy Pedestals
- RFID Only Door-Max
- Advanpay-120 POS RFID System
- TrueVUE Inventory Intelligence
- Shrink Analyzer application

Environmental Constraints

Temperature

Storage temperature range: -30°C to 60°C (-22°F to 140°F)

Operating temperature: -10°C to 50°C (14°F to 122°F)

Humidity

Unaffected by 80% humidity at 66°C (150°F), up to 96 hours

Specifications

Colour Grey, Light Grey
Length 61.2mm (2.41 in)
Width 30 mm (1.22 in)
Depth open 44.5 mm (1.75 in)
Depth latched 31.7 mm (1.25 in)
Weight 13.9 g (0.49 oz)

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The Sensormatic InFuzion Magnetic Tag combines ease of use and merchandise protection in a secure, one-piece system. This defeat-resistant tag is designed to provide operational savings while freeing assistants to spend more time serving customers. InFuzion features an integrated pin that reduces the application process from two steps to one. This allows retailers to spend less time tagging in store and to easily remove the tag at the point of sale in order to achieve significant labour savings and improve front-end checkout efficiencies. Plus, the integrated pin design helps to eliminate the cost of replacing lost or broken pins. Available with RFID in combination with AM or RF technology, this unobtrusive, visible deterrent is equipped with a delicate pin that safely protects clothing and fine garments.

The dual technology InFuzion tag allows retailers to access all the operational benefits of the patented tag while leveraging their existing EAS infrastructure and investing in RFID for stock management use cases. The dual-technology magnetic RFID InFuzion hard tag features a highly sensitive Radio Frequency Identification (RFID) inlay for item-level visibility, along with either Acousto Magnetic (AM) or Radio Frequency (RF) for loss prevention use cases. This durable tag features a laser-etched 2D barcode that allows retailers to program electronic product code (EPC) specific information directly onto the tag using a compatible mobile reader.

This barcode is especially helpful when a swing ticket is missing from tagged merchandise because it allows store assistants to quickly scan and retrieve point-of-sale (POS) data necessary to complete the checkout process. The RFID element stores information specific to the protected merchandise for item-level and real-time merchandise visibility.

Source tagging is available so that retailers can receive floor-ready merchandise with consistent tag placement – expediting receiving and sales floor fulfilment.

Retailer Values

- Reduces the time and labour required to apply and remove tags in comparison with traditional two-piece tags
- Improves safety for staff and customers through integrated design with no pins to lose or handle
- Sleek one-piece design helps to eliminate the need to store and sort pins and tags separately
- Speeds up front-end checkout with easy tag removal at the point of sale
- Enables near real-time merchandise visibility and improves inventory accuracy
- RFID element offers an efficient way to track stock, while the AM EAS element protects products from theft

Suggested Solution Application

Clothing, delicates, denim, outerwear, sportswear, swimwear

Product Codes

AM/RFID Technology (Grey)

IDTM8229N2D-1:(ETSI)

IDTM8229N2D-2:(FCC)

Product Compatibility

Detachers

Magnetic 9 kG Detachers

Exit Systems

- RFID Overhead Systems
- RFID Overhead EAS Systems
- Synergy Pedestals
- RFID Only Door-Max
- Advanpay-120 POS RFID System
- TrueVUE Inventory Intelligence
- Shrink Analyzer application

Detacher Type

Magnetic

Environmental Constraints

Temperature

Storage temperature range:

-30°C to 60°C (-22°F to 140°F)

Operating temperature range:

-10°C to 50°C (14°F to 122°F)

Humidity

85% at 30°C (86°F)

Construction Materials

Tag housing High-impact ABS label
housing

Low-density polyethylene/polyester/
polyethylene 0.127 mm (0.0050 in)

RFID inlay mylar, silicon

Tack Delicate stainless steel pin

Specifications

2D Barcode Format Data Matrix

Barcode Size 8x8 mm

EPC memory 96 bits up to 128 bits

Operating Frequencies

860-928 MHz

Colour

Grey AM/RFID technology

Length 51.3mm (2.01 in)

Width 17.7 mm (0.696 in)

Depth 27.2 mm (1.07 in)

Weight

AM/RFID technology 8.8 g (0.310 oz)

Lock Magnetic Strength 9 kG

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



IDTM2220
IDTM2220R



IDTM2225
IDTM2225R

The Magnetic AM/RFID hard tag features a highly sensitive Radio Frequency Identification (RFID) inlay for item-level visibility and stock management, plus an AM EAS element for asset protection. The RFID component stores information specific to the protected merchandise for item-level and near real-time merchandise visibility. Source tagging is available so that retailers can receive floor-ready merchandise with consistent tag placement – expediting receiving and sales floor fulfilment.

Retailer Values

- Enables near real-time merchandise visibility and improves inventory accuracy
- RFID element offers an efficient way to track stock, while the AM EAS element protects products from theft
- Tagging at the point of manufacture (source tagging) helps to improve tag compliance
- Source-tagged merchandise arrives floor-ready, enabling faster speed to sales floor

Solution Application

Clothing, general merchandise

Product Codes

9 kG New Tag:

IDTM2220 (Medium Grey)

9 kG Recirculated Tag:

IDTM2220R (Medium Grey)

9 kG In-Store Use Tag:

IDTM2220N (Light Grey)

5 kG New Tag:

IDTM2225 (Charcoal)

5 kG Recirculated Tag:

IDTM2225R (Charcoal)

5 kG In-Store Use Tag:

IDTM2225N (Light Grey)

Tacks

MJ200-MG

(use with IDTM2220, IDTM2220R)

MJ200-G

(use with IDTM2220N, IDTM2225N)

MJ200-B

(use with IDTM2225, IDTM2225R)

Product Compatibility

Detachers

- Sensormatic Magnetic 9 kG Detachers
- Sensormatic Magnetic 5 kG Detachers

Readers

Sensormatic Multi-purpose RFID Readers

Exit Systems

- RFID Overhead Systems
- RFID Overhead EAS Systems
- Synergy Pedestals
- RFID Only Door-Max
- Advanpay-120 POS RFID System
- TrueVUE Inventory Intelligence
- Shrink Analyzer application

Detacher Type

Magnetic

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 60°C (140°F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 60°C (140°F), up to 96 hours.

Construction Materials

Tag Housing

High-impact ABS

Label Housing

Low-density polyethylene/polyester/polyethylene 0.127 mm (0.0050 in)

RFID Inlay

Aluminium, mylar, silicon

Tack

ABS tack head with stainless steel pin

Specifications

Colour

9 kG..... Medium Grey, Light Grey
5 kG..... Charcoal, Light Grey
Length 61.0mm (2.4in)
Width 30.5 mm (1.20 in)
Depth..... 19.9 mm (0.78 in)
Weight with tack 8.8 g (0.019 lb)
Pullout force 56.8 kg (125 lb)
EPC memory 96 bits up to 128 bits
Operating frequencies 860-60 MHz
Lock magnetic strength 9 kG, 5 kG

Carton Weight

IDTM2220, IDTM2220R, IDTM2225,
IDTM2225R 9.65kg (21.23lbs)
IDTM2220N, IDTM2225N 10.00 kg
(22 lbs)
Tack..... 5.82 kg (12.80 lb) (5000/box)

Ext. Carton Dims.

Tag 370 x 370 x 280 mm
(14.57 x 14.57 x 3.15 in)
Tack..... 370 x 370 x 195 mm
(14.57 x 14.57 x 7.68 in)

Cartons per Pallet Tag

Atlanta DC 32
Echt DC 48

IDTM2225 5 kG

New Tag Charcoal



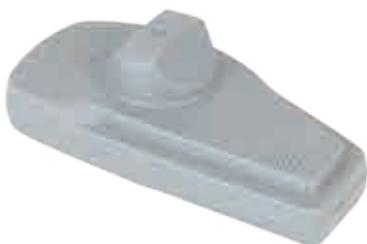
IDTM2220 9 kG

New Tag Medium Grey



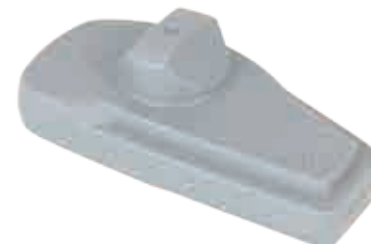
IDTM2225N 5 kG

In-Store Use Tag Light Grey



IDTM2220N 9 kG

In-Store Use Tag Light Grey



IDTM2220 9 kG

In-Store Use Tag marked with S on top of tag



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This Magnetic AM/RFID 2D hard tag combines trusted EAS protection with the item-level visibility and stock management only RFID can provide. The tag's RFID component stores item-specific information directly on the tag – delivering near real-time item-level visibility while the AM EAS component delivers asset protection.

This durable tag features a laser-etched 2D barcode that allows retailers to program item-specific information directly onto the tag using a compatible mobile reader. The barcode is especially helpful when a swing ticket is missing from tagged merchandise, allowing store assistants to quickly scan and retrieve point-of-sale (POS) data necessary to complete the checkout process.

With this tag, retailers can continue using non-RFID barcode readers at the POS to process transactions. This hard tag is intended for in-store application.

Retailer Values

- RFID component offers an efficient way to track stock, while the AM EAS component protects products from theft
- Item-specific information can be programmed directly on the tag with a compatible mobile reader, without investing in additional RFID hardware and infrastructure
- RFID element enables near real-time merchandise visibility and improves inventory accuracy
- Supports global frequencies and provides reliable RFID performance

Solution Application

Clothing, general merchandise

Product Codes

9 kG
IDTM2220N2D (Numeric)

5 kG
IDTM2225N2D (Numeric)

Tack
MJ200-G

Product Compatibility

Detachers

- Magnetic 9 kG Detacher
- Universal Magnetic Detacher
- Magnetic 5 kG Detacher

Readers

Multi-purpose RFID Reader compatible with industry EPC Gen2 Reader

Exit Systems

- RFID Overhead Systems
- RFID Overhead EAS Systems
- Synergy Pedestals
- RFID Only Door-Max
- Advanpay-120 POS RFID System
- TrueVUE Inventory Intelligence
- Shrink Analyzer application

Detacher Type

Magnetic

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 60°C (140°F) for 96 hours at 80% RH

Humidity

Unaffected by 80% humidity at 60°C (140°F), up to 96 hours

Construction Materials

Tag Housing

High-impact ABS

Label Housing

Low-density polyethylene/polyester/
polyethylene 0.127 mm (0.0050 in)

RFID Inlay

Aluminium, mylar, silicon

Tack

ABS tack head/stainless steel pin

Specifications

Colour Light Grey
Length 61.0mm (2.4in)
Width 30.5 mm (1.20 in)
Depth 19.9 mm (0.78 in)
Weight with tack 8.8 g (0.019 lb)
EPC memory 96 bits up to 128 bits

Operating

RFID Frequencies 860-928 MHz
Pullout force 56.8 kg (125 lb)
Lock magnetic strength 5 kG, 9 kG

Order Multiple

Tag 1,000
Tack 5,000

Carton Weight

Tags 10 kg (22 lb)
Tack 5.82 kg (12.80 lb) (5,000/box)

Ext. Carton Dims.

Tag 370 x 370 x 280 mm
(14.57 x 14.57 x 3.15 in)
Tack 370 x 370 x 195 mm
(14.57 x 14.57 x 7.68 in)

Cartons Per Pallet

Tag
Atlanta DC 32
Echt DC 48

IDTM2225N2D – 5 kG



DTM2220N2D – 9 kG

Note: In-Store use tag marked with S on top of tag.



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This Magnetic RF/RFID 2D Barcode hard tag combines trusted Electronic Article Surveillance (EAS) protection with the item-level visibility and stock management only Radio Frequency Identification (RFID) can provide. The tag's RFID component stores item-specific information directly on the tag, delivering near real-time item-level visibility while the Radio Frequency (RF) EAS component delivers asset protection.

A laser-etched 2D barcode allows retailers to program item-specific information directly onto the tag using a compatible mobile reader. The barcode feature is especially helpful when a swing ticket is missing from tagged merchandise. Store assistants can quickly scan and retrieve the point-of-sale (POS) data required to complete the checkout process.

With the Magnetic RF/RFID 2D Barcode hard tag, retailers can continue using non-RFID barcode readers at the POS to process transactions. This hard tag is intended for in-store application.

Retailer Values

- Helps to enable near real-time merchandise visibility and improve inventory accuracy
- Item-specific information can be easily read directly from the tag using the 2D barcode, ensuring easy checkout when price tags are missing
- Source-tagged merchandise arrives floor-ready, enabling faster speed to sales floor
- Supports global frequencies and provides reliable RFID performance

Solution Application

Clothing, general merchandise

Product Codes

9 kG

IDTM3220RF2D

5 kG

IDTM3225RF2D

Tack

MJ200-G

Product Compatibility

Detachers & Readers

- Sensormatic Magnetic 9 kG Detacher
- Sensormatic Magnetic 5 kG Detacher
- Sensormatic Multi-purpose RFID Reader
- Compatible to industry EPC Gen2 Reader

Exit Systems

- RFID Overhead Systems
- RFID Overhead EAS Systems
- Synergy Pedestals
- RFID Only Door-Max
- Advanpay-120 POS RFID System
- TrueVUE Inventory Intelligence
- Shrink Analyzer application

Detacher Type

Magnetic

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 60°C (140°F) for 96 hours at 80% RH

Humidity

Unaffected by 80% humidity at 60°C (140°F), up to 96 hours

Construction Materials

Tag Housing

High-impact ABS

Label Housing

Low-density polyethylene/polyester/
polyethylene 0.127 mm (0.0050 in)

RFID Inlay

Aluminium, mylar, silicon

Tack

ABS tack head/stainless steel pin

Specifications

Colour Light Grey

Length 61.0mm (2.4in)

Width 30.5 mm (1.20 in)

Depth..... 19.9 mm (0.78 in)

Weight with tack 8.8 g (0.019 lb)

EPC memory 96 bits up to 128 bits

Operating

RFID Frequencies 860-928 MHz

Pullout force 56.8 kg (125 lb)

Lock magnetic strength 5 kG 9 kG

Order multiple

Tag 1,000

Tack..... 5,000

Carton Weight

Tags..... 10 kg (22 lb)

Tack..... 5.82 kg (12.80 lb) (5,000/box)

Ext. Carton Dims.

Tag 370 x 370 x 280 mm
(14.57 x 14.57 x 11.02 in)

Tack.....370 x 370 x 195 mm
(14.57 x 14.57 x 7.68 in)

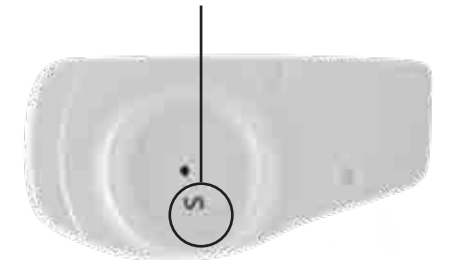
IDTM3225RF2D – 5 kG

IDTM3220RF2D – 9 kG



IDTM3220RF2D – 9 kG

Note: In-Store use tag marked with S on back of tag (9 kG tag only).



CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



The Sensormatic RFID hang tag delivers consistent performance across many retail environment use cases. Our price ticket is designed for ease of use and meets your branding and important messaging requirements for clothing, footwear and fashion accessory merchandise. These RFID hang tags enable seamless Electronic Product Code (EPC) item-level inventory intelligence data capture across the point of sale (POS), replenishment, e-commerce fulfilment, loss prevention, mobile and self-checkout and many more areas.

Our hang tags feature a highly sensitive inlay and integrated circuit to enable global company-wide item-level visibility with an Electronic Product Code (EPC). Designed to provide consistent merchandise identification, data integrity and brand compliance, these tickets help to enable global supply chain visibility. The RFID element stores product-specific information for real-time merchandise visibility. These price tickets can be applied in store, at distribution centres or at the point of manufacture so retailers receive floor-ready merchandise with consistent placement to expedite receiving and optimise shop floor fulfilment.

This hang tag benefits retailers by allowing sales staff to quickly scan and retrieve the (POS) data necessary to complete the checkout process.

Retailer Values

- Enables near real-time merchandise visibility and improves inventory accuracy
- RFID technology enables efficient mobile and self-checkout POS solutions
- Provides minimal impact on branding and important product messaging

Product Codes

IDH30001 (ARC Certified)

IDH30003

IDH30004 (ARC Certified)

Specifications

IDH30001

Length 70mm (2.75in)
Width 38 mm (1.49 in)
Colour..... White
Thickness 0.50 mm (0.20 in)

IDH30003

Length 63.5mm (2.50in)
Width 38 mm (1.49 in)
Colour..... White
Thickness 0.50 mm (0.20 in)

IDH30003

Length 83mm (3.27in)
Width 25.4 mm (1.00 in)
Colour..... White
Thickness 0.50 mm (0.20 in)

RFID Performance

Frequency 860-960 MHz

Environmental Constraints

Temperature

Operating temperature

-40°C to 85°C (-40°F to 185°F)

Technical Features

Integrated Circuit (IC)

IDH30001 & IDH30004

Impinj Monza M730

IDH30003

NXP U9

Shelf Life

+20°C, 50%RH / 68°F, 50%RH

Min 2yrs from date of manufacturing

Product Compatibility

Exit Systems

- RFID Overhead Systems
- RFID Overhead EAS Systems
- Synergy RFID Pedestals
- RFID Only Door-Max
- Advanpay-120 POS RFID System
- TrueVUE Inventory Intelligence
- Shrink Analyzer application

☑ This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



The Sensormatic RFID care label delivers consistent performance across many retail environment use cases using RFID technology. Our care label is designed for ease of use and showcasing your branding and important messaging for clothing, footwear and fashion accessory merchandise. These RFID care label enable seamless Electronic Product Code (EPC) item-level inventory intelligence data capture across the point of sale (POS), replenishment, e-commerce fulfilment, loss prevention, mobile and self-checkout and many more areas.

Our care label feature a highly sensitive inlay and integrated circuit to enable global company-wide item-level visibility with an Electronic Product Code (EPC). It is designed to provide consistent merchandise identification, data integrity and brand compliance, enabling global supply chain visibility. The RFID element stores product-specific information for real-time merchandise visibility. These care labels can be applied in the store, at distribution centres or at the point of manufacture so that retailers receive floor-ready merchandise with consistent placement to expedite receiving and optimise sales floor fulfilment.

The care label benefits retailers by allowing sales staff to quickly scan and retrieve the point-of-sale (POS) data necessary to complete the checkout process.

Retailer Values

- Enables near real-time merchandise visibility and improves inventory accuracy
- RFID technology enables efficient mobile and self-checkout POS solutions
- Provides minimal impact on branding and important product messaging

Specifications

Length 100mm (3.94in)
Width 25 mm (0.98 in)
Thickness 0.27 mm (0.011 in)
Colour White

Length 70mm (2.76in)
Width 25mm (0.984in)
Thickness 0.27 mm (0.011 in)
Colour White

RFID Performance

Frequency 860-960 MHz

Shelf Life

+20°C, 50%RH / 68°F, 50%RH

Min 2yrs from date of manufacturing

Technical Features

Integrated Circuit (IC)

Impinj NXP U9

Product Compatibility

Exit Systems

- RFID Overhead Systems
- RFID Overhead EAS Systems
- Synergy RFID Pedestals
- RFID Only Door-Max
- Advanpay-120 POS RFID System
- TrueVUE Inventory Intelligence
- Shrink Analyzer application

Environmental Constraints

Temperature

Operating temperature
-40°C to 85°C (-40°F to 185°F)

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



RFID Seam Tags offer a progressive solution to retailers in search of a discreet tagging alternative to traditional methods of safeguarding merchandise. These tags feature a sleek structure that can be sewn into a garment's inseam without compromising its tactility or texture. This discreet integration also provides an effective means of protection while maintaining the aesthetic integrity of the merchandise.

The embedded radio frequency identification (RFID) component within the structure facilitates the smooth capture of Electronic Product Code (EPC) item-level inventory intelligence data. When RFID Seam Tags are attached to garments at the point of manufacturing, they unleash a wealth of insights across the entire supply chain. These detailed item-level insights not only facilitate quicker distribution and precise order fulfilment, but also empower retailers to optimise inventory management processes, streamline e-commerce strategies, fortify loss prevention measures, make informed decisions, and guarantee the delivery of authentic brand products.

Retailer Values

Ease of Integration

- Fast integration as part of the standard garment manufacturing process
- Application and insertion tooling support

Merchandise Protection

- Inconspicuous tagging location
- Removal without merchandise damage is not possible

Inventory Visibility

- Extends Organised Retail Crime (ORC) investigations beyond the store

Shopper Experience

- Seamless Self-Checkout (SCO) and returns experience
- Prevents counterfeit goods entering the supply chain through returns process

Labour optimisation

- Streamlined e-commerce operations

Supported use cases

- RFID Service Bureau
- Source Tagging
- Supply chain management
- Inventory Management
- E-commerce
- Self-checkout
- Loss Prevention
- Returns Management

Available Packaging Options

- Singulated

Product Codes

White Singulated

IDE30001

Black Singulated

IDE30002

Product Compatibility

Exit Systems

- RFID Overhead Systems
- RFID Overhead EAS Systems
- Synergy RFID Pedestals
- RFID Only Door-Max
- Advanpay-120 POS RFID Systems
- TrueVUE Inventory Intelligence
- Shrink Analyzer application

Wash Resistance Performance

- Optimised for one time industrial standard wash during garment manufacture
- Wash resistance performance dependent on own washing processes/garment type

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).

Shelf Life

+20°C, 50%RH / 68°F, 50%RH

2 yrs from date of manufacture

Technical Features

Integrated Circuit (IC)

Impinj M730

Dimensions

Singulated

98 x 6 mm (3.85 x 0.23 in)

Environmental Constraints

Temperature

Operating temperature

-40°C...+85°C / -40°F...+185°F

Black singulated version



CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



Sensormatic Solutions' range of RFID Roll Labels delivers consistent performance in merchandise protection and item-level inventory intelligence using radio frequency identification (RFID) technology. These labels are designed for application on virtually any package or tag size without impacting key branding or important messaging. These easy-to-apply RFID labels can capture data across a wide range of product categories and offer multiple use case scenarios.

These RFID labels feature a highly sensitive inlay and an integrated circuit enabling RFID as EAS (Electronic Article Surveillance) or item-level visibility with an Electronic Product Code (EPC). Labels applied to merchandise work with existing EAS systems and trigger an alarm when merchandise passes through the detection zone.

Product-specific information, or EPC data, is stored on the RFID label using a compatible mobile RFID reader. This allows real-time merchandise visibility into in-stock products and product locations.

Labels can be applied either in store or at the point of manufacture. At the point of manufacture, retailers can receive floor-ready merchandise with consistent RFID label placement to expedite the receiving process and optimise sales floor fulfilment.

These labels benefit retailers by offering merchandise protection and inventory intelligence visibility, while allowing store assistants to quickly scan and retrieve the point-of-sale (POS) data required to complete the checkout process.

Retailer Values

- Enables near real-time merchandise visibility and improves inventory accuracy
- RFID technology enables efficient mobile and self-checkout POS solutions
- Protects merchandise by tagging at the point of manufacture so merchandise arrives shelf-ready
- Tagging at the source helps improve tag compliance
- Provides minimal impact on branding and important product messaging
- Permits open merchandising while still combating theft

Application

Clothing, Footwear, General merchandise, Houseware, Health, Beauty and Cosmetics, Eyewear, Jewellery, Food, Books, Logistics

Technical Features

Adhesive

General purpose hot melt

Shelf Life

Minimum 2 years from date of manufacture

-20°C, +68°F, 50% RH

Frequency

860 - 960 MHz

Environmental Constraints

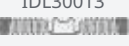
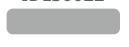
Operating temperature

-40°C...+85°C / -40°F...+185°F

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).

Specifications

Use Cases

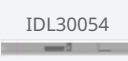
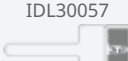
	Product Code	Label Size	Antenna Size	Integrated Circuit	Labels Per Roll / MOQ*	ARC Certified	Service Bureau	Printer	Tunnel	Transition Door	Mobile	Self-Check-Out	Point of Sale	Pedestal	Overhead	On-Metal	On-Liquid
52x32 mm	IDL5232L5U9 	W: 52 mm (2.05 in) L: 32 mm (1.26 in)	W: 50 mm (1.97 in) L: 26 mm (1.02 in)	NXP U9	3000 & 24000	No	●	●	●	●	●	●	●	●	●		
44x18 mm	IDL4418L5U9 	W: 44 mm (1.73 in) L: 18 mm (0.71 in)	W: 42 mm (1.65 in) L: 16 mm (0.63 in)	NXP U9	5000 & 40000	No	●	●	●	●	●	●	●	●	●		
73x17 mm	IDL7317L5U9 	W: 73 mm (2.87 in) L: 17 mm (0.67 in)	W: 70 mm (2.76 in) L: 14 mm (0.55 in)	NXP U9	5000 & 20000	No	●	●	●	●	●	●	●	●	●		
44x18 mm	IDL30004 	W: 44 mm (1.73 in) L: 18 mm (0.71 in)	W: 42 mm (1.65 in) L: 16 mm (0.63 in)	Impinj M730	5000 & 20000	Yes	●	●	●	●	●	●	●	●	●		
74x11 mm	IDL30013 	W: 74 mm (2.91 in) L: 11 mm (0.43 in)	W: 71 mm (2.80 in) L: 8 mm (0.31 in)	Impinj M730	5000 & 15000	Yes	●	●	●	●	●	●	●	●	●		
47x31 mm	IDL30014 	W: 47 mm (1.85 in) L: 31 mm (1.22 in)	W: 44 mm (1.73 in) L: 28 mm (1.10 in)	Impinj M730	3800 & 15200	Yes	●	●	●	●	●	●	●	●	●		
50x50 mm	IDL30019 	W: 50 mm (1.97 in) L: 50 mm (1.97 in)	W: 47 mm (1.85 in) L: 47 mm (1.85 in)	Impinj M730	2000 & 16000	No				●				●	●		
45x8 mm	IDL30022 	W: 45 mm (1.77 in) L: 8 mm (0.31 in) D: 1.5 mm (0.06 in)	W: 45 mm (1.77 in) L: 8 mm (0.31 in) D: 1.5 mm (0.06 in)	Impinj M730	800 & 4000	No	●	●			●	●	●			●	●
47x23 mm	IDL30032 	W: 47 mm (1.85 in) L: 23 mm (0.91 in)	W: 44 mm (1.73 in) L: 20 mm (0.79 in)	Impinj M730	4000 & 20000	Yes	●	●	●	●	●	●	●	●	●		
53x33 mm	IDL30038 	W: 53 mm (2.09 in) L: 33 mm (1.30 in)	W: 50 mm (1.97 in) L: 30 mm (1.18 in)	Impinj M730	3400 & 13600	Yes	●	●	●	●	●	●	●	●	●		
73x17 mm	IDL30039 	W: 73 mm (2.87 in) L: 17 mm (0.67 in)	W: 70 mm (2.76 in) L: 10 mm (0.39 in)	Impinj M730	6000 & 24000	Yes	●	●	●	●	●	●	●	●	●		
73x13 mm	IDL30040 	W: 73 mm (2.84 in) L: 13 mm (0.51 in)	W: 70 mm (2.76 in) L: 10 mm (0.39 in)	NXP U9	6000 & 24000	Yes	●	●	●	●	●	●	●	●	●		
33x18 mm	IDL30043 	W: 33 mm (1.29 in) 18 mm (0.71 in)	W: 30 mm (1.18 in) L: 15 mm (0.59 in)	Impinj M830	5500 & 27500	No	●	●			●	●	●				

Minimum Order Quantity

● = Recommended Use Cases

Specifications

Use Cases

	Product Code	Label Size	Antenna Size	Integrated Circuit	Labels Per Roll / MOQ*	ARC Certified	Service Bureau	Printer	Tunnel	Transition Door	Mobile	Self-Check-Out	Point of Sale	Pedestal	Overhead	On-Metal	On-Liquid
46x22 mm	IDL30044 	W: 46 mm (1.81 in) L: 22 mm (0.87 in)	W: 44 mm (1.73 in) L: 20 mm (0.79 in)	Impinj M830	5000 & 20000	Yes	•	•	•	•	•	•	•	•	•		
54x34 mm	IDL30045 	W: 54 mm (2.13 in) L: 34 mm (1.34 in)	W: 50 mm (1.97 in) L: 30 mm (1.18 in)	Impinj M830	3500 & 14000	Yes	•	•	•	•	•	•	•	•	•		
73x17 mm	IDL30046 	W: 73 mm (2.87 in) L: 17 mm (0.67 in)	W: 70 mm (2.76 in) L: 14 mm (0.55 in)	Impinj M830	6000 & 24000	Yes	•	•	•	•	•	•	•	•	•		
44x26 mm	IDL30047 	W: 44 mm (1.73 in) L: 26 mm (1.02 in)	W: 42 mm (1.65 in) L: 24 mm (0.94 in)	Impinj M830	4000 & 16000	Yes	•	•	•	•	•	•	•	•	•		
47x31 mm	IDL30048 	W: 47 mm (1.85 in) L: 31 mm (1.22 in)	W: 44 mm (1.73 in) L: 28 mm (1.10 in)	Impinj M830	3800 & 15200	Yes	•	•	•	•	•	•	•	•	•		
45x18 mm	IDL30049 	W: 45 mm (1.77 in) L: 18 mm (0.71 in)	W: 42 mm (1.65 in) L: 16 mm (0.63 in)	Impinj M830	6000 & 24000	Yes	•	•	•	•	•	•	•	•	•		
44x18 mm	IDL30050 	W: 44 mm (1.73 in) L: 18 mm (0.71 in)	W: 42 mm (1.65 in) L: 16 mm (0.63 in)	Impinj M830	6000 & 24000	Yes	•	•	•	•	•	•	•	•	•		
31x7 mm	IDL30051 	W: 31 mm (1.22 in) L: 7 mm (0.28 in)	W: 28 mm (1.10 in) L: 4 mm (0.16 in)	Impinj M830	5000 & 25000	No	•	•			•	•	•				
73x18 mm	IDL30052 	W: 73 mm (2.87 in) L: 18 mm (0.71 in)	W: 70 mm (2.76 in) L: 15 mm (0.59 in)	Impinj M830	5500 & 16500	No	•	•	•	•	•	•	•	•	•		•
63x7 mm	IDL30053 	W: 63 mm (2.48 in) L: 7 mm (0.28 in)	W: 60 mm (2.36 in) L: 4 mm (0.16 in)	Impinj M830	6000 & 18000	No	•	•	•	•	•	•	•	•	•		•
64x6 mm	IDL30054 	W: 64 mm (2.52 in) L: 6 mm (0.24 in)	W: 64 mm (2.52 in) L: 4 mm (0.24 in)	Impinj M830	800 & 2400	No	•	•			•	•	•			•	•
64x6 mm	IDL30055 	W: 64 mm (2.52 in) L: 6 mm (0.24 in)	W: 64 mm (2.52 in) L: 4 mm (0.24 in)	Impinj M830	800 & 2400	No	•	•			•	•	•			•	•
96x35 mm	IDL30057 	W: 96 mm (3.78 in) L: 35 mm (1.38 in)	W: 30 mm (1.18 in) L: 15 mm (0.59 in)	Impinj M830	2500 & 5000	No	•	•			•	•	•				
76x20 mm	IDL30058 	W: 76 mm (2.99 in) L: 20 mm (0.79 in)	W: 70 mm (2.76 in) L: 14 mm (0.55 in)	Impinj M830	5000 & 15000	Yes	•	•	•	•	•	•	•	•	•		

Specifications

Use Cases

	Product Code	Label Size	Antenna Size	Integrated Circuit	Labels Per Roll / MOQ*	ARC Certified	Service Bureau	Printer	Tunnel	Transition Door	Mobile	Self-Check-Out	Point of Sale	Pedestal	Overhead	On-Metal	On-Liquid
73x17 mm	IDL30061 	W: 73 mm (2.87 in) L: 17 mm (0.67 in)	W: 70 mm (2.76 in) L: 14 mm (0.55 in)	NXP U9	5000 & 15000	Yes	•	•	•	•	•	•	•	•	•		
74x11 mm	IDL30062 	W: 74 mm (2.91 in) L: 11 mm (0.43 in)	W: 71 mm (2.80 in) L: 8 mm (0.31 in)	Impinj M830	6000 & 18000	Yes	•	•	•	•	•	•	•	•	•		

Verticals

Product Codes	Clothing	Footwear	General	Homeware	Health/Beauty	Eyewear	Jewellery	Food	Books	Logistics
IDL5232L5U9	•	•	•	•						
IDL4418L5U9	•	•	•	•	•		•			
IDL7317L5U9	•	•	•	•						•
IDL30004	•	•	•	•	•		•			
IDL30013			•	•	•					
IDL30014	•	•	•	•						
IDL30019									•	
IDL30022				•	•					
IDL30032	•	•	•	•	•					
IDL30038	•	•	•	•						
IDL30039	•	•	•	•						•
IDL30040			•	•						
IDL30043					•	•	•			
IDL30044	•	•	•	•						
IDL30045	•	•	•	•						
IDL30046	•	•	•	•						•
IDL30047	•	•	•	•						
IDL30048	•	•	•	•						
IDL30049	•	•	•	•		•		•		
IDL30050				•						
IDL30051					•					
IDL30052			•	•	•			•		
IDL30053			•	•	•			•		
IDL30054				•	•					
IDL30055				•	•					
IDL30056	•	•	•	•						•
IDL30057						•	•			
IDL30058	•	•	•	•						•
IDL30061			•	•	•			•		
IDL30062			•	•	•					

• = Recommended Use Cases
Minimum Order Quantity



At Sensormatic Solutions, responsible retail is an integral part of our vision and values. Across our organisation, we seek to continuously improve our sustainability work and provide solutions that are more environmentally conscious. These efforts are reflected in the actions and steps we take towards the retail business operations – from supply chain to sales floor – which we believe will contribute to a stronger, healthier tomorrow.

Our strategic approach towards sustainability starts from within and extends beyond our facilities to our customers, creating an opportunity for retailers to position technology at the core of their own sustainability objectives.

Our natural fibre inlay Radio Frequency Identification (RFID) labels allow us to meet our environmental commitments towards sustainability while continuing to help deliver accurate real-time insights across operational inventory intelligence, loss prevention and operational effectiveness. These labels feature a highly sensitive natural fibre inlay which produces less waste during the production process and provides quality performance in relation to conventional aluminium etches with polyethylene terephthalate (PET) inlays.

The RFID technology within these labels can store unique item-specific information such as item size, colour, manufacturer and much more, enabling loss prevention and stock visibility use cases across the retail environment. Labels applied during manufacturing give stores floor-ready merchandise with consistent RFID placement – expediting receiving and sales floor fulfilment tasks.

The shopper experience hinges on perfectly timed moments of truth or 'precision retail' – engagement on the customer's terms, providing the right item, at the right place, at the right time. Our natural fibre inlay RFID labels give retailers the opportunity to positively impact the brand experience and execute seamless unified commerce, all with sustainability in mind.

Environmental Values

- Enables highly accurate company-wide stock levels to help reduce transportation-related CO2 emissions
- Optimises warehouse and distribution centre workflows and tasks, helping to lower the energy impact of operating these spaces
- Helps production forecasting and merchandise allocation precision by having the right items in the right place at the right time to meet shoppers' purchasing behaviour
- Eliminates etching, aluminium and PET waste from the production process
- Patented design that uses less material, for improved recycling and biodegradability

Retailer Values

- Enables near real-time merchandise visibility and improves inventory accuracy
- RFID technology enables efficient mobile and self-checkout POS solutions
- Provides minimal impact on branding and important product messaging

Specifications

Use Cases

	Product Code	Label Size	Antenna Size	Integrated Circuit	Labels Per Roll / MOQ*	Minimum Order Quantity	ARC Certified	Tunnel	Pedestal	Overhead	Transition Door	Self-Checkout	Point of Sale	Fitting Room	Mobile	Service Bureau	Printer
54x34 mm	IDL5434L4 	W: 54 mm (2.13 in) L: 34 mm (1.34 in)	W: 52 mm (2.05 in) L: 32 mm (1.26 in)	NXP UCODE 8	3500	8	No										
54x34 mm	IDL5434L4U9 	W: 54 mm (2.13 in) L: 34 mm (1.34 in)	W: 52 mm (2.05 in) L: 32 mm (1.26 in)	NXP UCODE 9	3500	8	No										
44x19 mm	IDL4419L4U9 	W: 44 mm (1.73 in) L: 19 mm (0.75 in)	W: 42 mm (1.65 in) L: 17 mm (0.70 in)	NXP UCODE 9	5000	8	No										

 = Certified in Sensormatic Ecosystem

Technical Features

Adhesive

Acrylic, solvent-free permanent adhesive

Shelf Life

Minimum 2 years from the date of manufacture

+20°C, 50% / 68°F, 50% RH

Frequency

860-960 MHz

Environmental Constraints

Temperature

Operating temperature

-5°C...+60°C / +23°F...+140°F

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



Sensormatic offers an unmatched variety of reliable point-of-sale (POS) configurations to complement your retail brand. Designed to fit any store aesthetic, our POS solutions provide accurate readings on RFID-tagged merchandise, required for frictionless workflows. The POS solution is a key element in our Inventory Intelligence solution suite.



Sensormatic Solutions is partnering with Keonn Technologies to include our industry-leading RFID point-of-sale (POS) technology in the Advanpay 120 system re-shaping the POS. The Advanpay - 120 is elegantly designed to complement any POS store counter and store aesthetic. Sensormatic POS 360° supports multiple use cases across stock management and loss prevention. Our solution offers options for implementation with Autonomous mode and Transaction mode.

Autonomous mode is a simplified stand-alone deployment for basic EAS use cases. It can also be used for testing and quick deployments. It is future-proofed for integrated POS use cases, without requiring new hardware. Transaction mode gives retailers the ability to integrate with their POS systems as well as TrueVUE, with the industry's simplest API. Our enhanced algorithm technology ensures the least amount of workflow impact, for frictionless POS transactions.

The Sensormatic design leverages an all-in-one reader and antenna solution for POS and RFID-based EAS exit system integration. The Advanpay - 120 is elevating POS intelligence by locating and communicating RFID-tagged merchandise data to RFID-based EAS exit systems, showing whether the merchandise has been sold or not.

Once retailers connect to the TrueVUE platform, they gain real-time visibility into their RFID-tagged products. Retailers can now train sales staff to

no longer be preoccupied with special workflows and RFID integrations. As a result, staff can focus on their customers' shopping journey.

Retailer Values

- All-in-one RFID reader and antenna for easy installation
- Incorporates Sensormatic advanced tag isolation technology for seamless POS workflows
- Contemporary design and colour that blends into any retail store décor
- Fully compatible with Sensormatic RFID as EAS system and reporting platforms

Transaction Mode

- Lightweight API integration for fast POS implementation
- Sensormatic tag isolation logic retaining frictionless checkout workflows
- Pre-installed and configured for out-of-the-box simplicity
- Single USB connectivity to the POS and Power Over Ethernet (POE) network and power
- Item-level insights when connected to TrueVUE

Autonomous Mode

- Stand-alone operation for simple RFID-based EAS exit systems
- Non-POS integrated solution for marking tags safe at exit
- Specialised security features to reduce sweethearting

Platform Connectivity

Notifies retailer of what merchandise was sold versus items that exited through the store. As a result, retailers know when they should replenish shop floor items.

Product Codes

IDE-ADPY-CF-US-1

AdvanPay-120 Undermount, White, US

IDE-ADPY-CU-EU-1

AdvanPay-120 Undermount, White, EU

IDE-ADPY-CU-AU-1

AdvanPay-120 Undermount, White, AU

IDE-ADPY-CU-NZ-1

AdvanPay-120 Undermount, White, NZ

IDE-ADPY-EXT-1

AdvanPay-120 Remote Button, White

IDE-ADPY-ACC-1

AdvanPay-120 Desktop Box, White

Product Compatibility

- RFID Only Door-Max
- RFID Overhead Systems
- Synergy RFID Pedestals
- GS1 EPC Gen 2 RFID tags
- TrueVUE Inventory Intelligence
- Shrink Analyzer application
- Sensormatic Multi-purpose RFID Reader

Specifications

Advanpay - 120 POS RFID System

Height..... 19.99 cm (7.87 in)
 Length 19.99cm (7.87in)
 Width 6.19 cm (2.44 in)
 Weight 2.06lb (.93kg)

Mounting

Flush-Mount in the Counter

4 mounting screws to secure the Advanpay - 120

Under Counter-mount Under the Counter

4 mounting screws to secure the Advanpay - 120

External Controller

Mount under the counter at the counter edge – connects to the Advanpay - 120 allowing for use of the LEDs and push button – 4 mounting screws

Desktop Box

Rests on the counter – used for demos – enclosure secures around the flush Advanpay - 120

Electrical

Powering Options

PoE power supply (IEEE 802.3af)

Power consumption max. 2.5 W

Power Consumption

Idle consumption..... less than 2.5 W

Default consumption

at 10 dBn..... less than 9 W

Max. consumption

at 27 dBn..... less than 8 W

Air Interface Protocol

EPC global UHF Class 1 Gen 2/ISO 18000 6C

Audio and Visual Indicators

Three multi-colour LEDs for indicating hardware status

Configurable beeper for in-process workflows

Button support for in-process workflows

Connectivity

LAN/PoE port

Micro USB type B comm port (POS Integration)

IP Configuration

DHCP or Static IP configuration

Device Management

Embedded web GUI, TrueVUE or MQTT

USB storage device

Environmental Constraints

Temperature range

Operating -20°C to 55°C (-4°F to 131°F)

RFID Performance

Frequency bands (Reader & Antennas)

FCC band (NA)..... 917.4-927.2 MHz

ETSI band (EU) 865.6-867.6 MHz

Antenna gain 3.3-6 dBiL

Regulatory

North America

EMC 47 CFR, Part 15

ICES-003

RSS-210

UL 62368-1

CSA-C22.2.60950-1

Europe

EN 302 208

EN 301 489

Approved Country List

US, Canada, EU, Australia, New Zealand, APAC

Contact your regional sales support for a complete country list.

Note: additional details specific to the hardware are available in the Sensormatic Product Catalogue.



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The Sensormatic SuperTag 4 AM/RFID Power Detacher removes SuperTag 4 AM/RFID Hard Tags from protected merchandise at the point of sale (POS), for quick and efficient operation while maximising throughput. Backwards compatible with previous generations of SuperTag 4 AM/RFID Hard Tags, this detacher operates off an ordinary electrical outlet and is offered as a countertop or flush-mount installation for efficient use of checkout space.

The AM/RFID SuperTag 4 power detacher can be integrated with a unique programmable keypad to help prevent unauthorised use. Along with helping to combat shrink, this detacher is also compatible with TrueVUE Cloud for Inventory Intelligence, which helps to maximise sales with improved inventory accuracy and faster replenishment notifications to help maintain on-shelf availability.

The TrueVUE Cloud platform gives retailers real-time Electronic Product Code (EPC) item-level visibility into RAIN RFID-tagged items. With help from this data, retailers can more effectively manage merchandise availability, improve operations, reduce shrink and create a memorable shopping experience.

The RFID technology also offers added merchandise protection at checkout by ensuring that the SuperTag 4 detacher only detaches if the EPC matches the POS purchase. This matching is also beneficial in high-risk areas such as self-checkout.

Retailer Values

- Access item-level data from AM/RFID hard tags to improve inventory accuracy and replenishment time
- Helps to combat theft techniques such as scan avoidance, merchandise switching and sweethearting when connected to a Sensormatic IDX Multi-purpose RFID Reader
- Removes all SuperTags quickly and easily, to help accelerate checkout and improve the customer experience
- Works with a connected RFID reader to send item-level and detachment data to TrueVUE Cloud for near real-time reporting and analysis
- Helps to increase detaching security with password-protected lock and reset
- Provides ergonomic flexibility with desktop and flush-mount options
- Gives feedback for correct operation via LED lights and the insertion switch

Product Codes

IDKM 1020

SuperTag 4 AM/RFID Desktop Mounted

Detacher only

IDKM 1030

SuperTag 4 AM/RFID Flush-mount

Detacher only

Specifications

Desk-Mount

Length 15.0cm (5.9in)
Width 10.2 cm (4.0 in)
Height..... 6.3 cm (2.5 in)
Weight 1.035 kg (2.31 lb)

Flush-Mount

Length 22.0cm (8.7in)
Width 18.0 cm (7.1 in)
Height..... 6.3 cm (2.5 in)
Weight 1.140 kg (2.35 lb)

Electrical

Detacher input 24 Vdc / 2.5 A max.
Power consumption 48 W max.
Recommended power supply
Sensormatic part #5606-0083-01)
Power input 100-240 Vac
(50/60 Hz) 1.8 A max.
Power output..... 24 Vdc / 2.0 A

Product Compatibility

- Sensormatic SuperTag Portfolio, AM and AM/RFID Dual-Tech Tags
- Sensormatic Multi-purpose RFID Reader
- TrueVUE Inventory Intelligence
- EPC Gen2 standard RFID Tags

RF Characteristics

Detacher is fitted with embedded wideband RFID antenna. Requires external RFID reader to operate.

Detacher Antenna gain -13.0 dBiL

Can be used with readers operating in NA (902-928 MHz) or EU (865-868 MHz) frequencies (or subsets).

Choice of reader and settings limit operation to match country-specific RF requirements.

Negative gain of antenna limits detacher output to less than 100 mW, even when reader is set to 2 W (33 dBm).

Environmental Constraints

Temperature range

Operating 0°C to +40°C (32°F to +104°F)

Storage 0°C to +70°C (32°F to +158°F)

Evaluated for altitudes less than 3200 m (10500 ft)

Humidity

0 to 90%, non-condensing

Regulatory Declarations

EMC

47 CFR Part 15

EN55022

EN55024

EN61000-3-2

EN61000-3-3

ICES 003

EN55014-1

EN55014-2

Safety (second edition)

UL 62368-1

CSA C22.2.60950-1

EN 62368-1



AM/RFID SuperTag 4 Detacher



CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



IDKM1000DT
Desktop Detacher



IDKM1010FM
Flush-mount Detacher



The Sensormatic SuperTag AM/RFID Detacher combines performance with real-time visibility into stock and assets to help improve operations, optimise profitability and create memorable shopper experiences. Fitted with an ultra-high frequency (UHF) RFID antenna, this detacher solution supports the AM SuperTag portfolio and RFID-enabled dual-technology tags, preparing for transition to RFID solutions in the future.

When connected to the Sensormatic IDX Multi-purpose RFID reader, the RFID item-level data stored in dual-technology hard tags is read when the tag is detached. Through proper integration with the point of sale (POS) via the reader, this item-level data can be seamlessly captured, analysed and acted upon. For instance, one function requires the tag's RFID information to match the scanned merchandise bar code prior to completing the transaction and releasing the tag. This level of intelligence helps to greatly reduce sweethearting, scan avoidance and merchandise switching.

A detacher and RFID reader work together to send item-level and AM detachment data to TrueVUE inventory management software. This information drives reporting and dashboards to support decision making in near real time. Reporting data points include item detail, stock by location, detacher counts and more.

Retailer Values

- Access item-level data from AM/RFID hard tags to ensure inventory accuracy and improve replenishment time
- Combats theft techniques such as scan avoidance, merchandise switching and sweethearting when connected to an IDX Multi-purpose RFID Reader
- Removes all SuperTags quickly and easily to accelerate checkout and improve the customer experience
- Works with a connected RFID reader to send item-level and detaching data to TrueVUE management software for near real-time reporting and analysis
- Increases detaching security with password-protected lock and reset
- Provides ergonomic flexibility with desktop and flush-mount options
- Gives feedback for correct operation via LEDs and the insertion switch

Product Codes

IDKM1000DT

AM/RFID Desktop Detacher with power supply and power cable

IDKM1010FM

AM/RFID Flush-mount Detacher with power supply and power cable

IDKM-1000

AM/RFID Desktop Detacher Only

IDKM-1010

AM/RFID Flush-mount Detacher Only

Product Compatibility

- SuperTag AM, AM/RFID Portfolio
- Sensormatic Multi-purpose RFID Readers
- TrueVUE Inventory Intelligence
- Shrink Analyzer application
- EPC Gen2 standard RFID Tags
- Wireless Device Manager
- Wireless module
- Shrink Management as a Service

Specifications

Desk-Mount

Length 15.0cm (5.9in)
Width 10.2 cm (4.0 in)
Height..... 6.3 cm (2.5 in)
Weight 1.035 kg (2.31 lb)

Flush-Mount

Length 22.0cm (8.7in)
Width 18.0 cm (7.1 in)
Height..... 6.3 cm (2.5 in)
Weight 1.140 kg (2.35 lb)

Electrical

Detacher input 24 Vdc / 2.5 A max.
Power consumption 48 W max.

Recommended power supply

Sensormatic part #5606-0083-01
Power input 100-240 Vac (50/60 Hz)
1.8 A max.
Power output..... 24 Vdc / 2.0 A

RF Characteristics

Detacher is fitted with embedded wideband RFID antenna.
Requires external RFID reader to operate.
Detacher Antenna gain -13.0 dBiL
Can be used with readers operating in NA (902-928 MHz) or EU (865-868 MHz) frequencies (or subsets).
Choice of reader and settings limit operation to match country-specific RF requirements.
Negative gain of antenna limits detacher output to less than 100 mW, even when reader is set to 2 W (33 dBm).

Environmental Constraints

Temperature range

Operating 0°C to +40°C (32°F to +104°F)
Storage 0°C to +70°C (32°F to +158°F)
Evaluated for altitudes less than 3200 m (10500 ft)

Humidity

0 to 90%, non-condensing

Regulatory Declarations

EMC

47 CFR Part 15

EN55022

EN55024

EN61000-3-2

EN61000-3-3

ICES 003

EN55014-1

EN55014-2

Safety (second edition)

UL 62368-1

CSA C22.2.60950-1

EN 62368-1

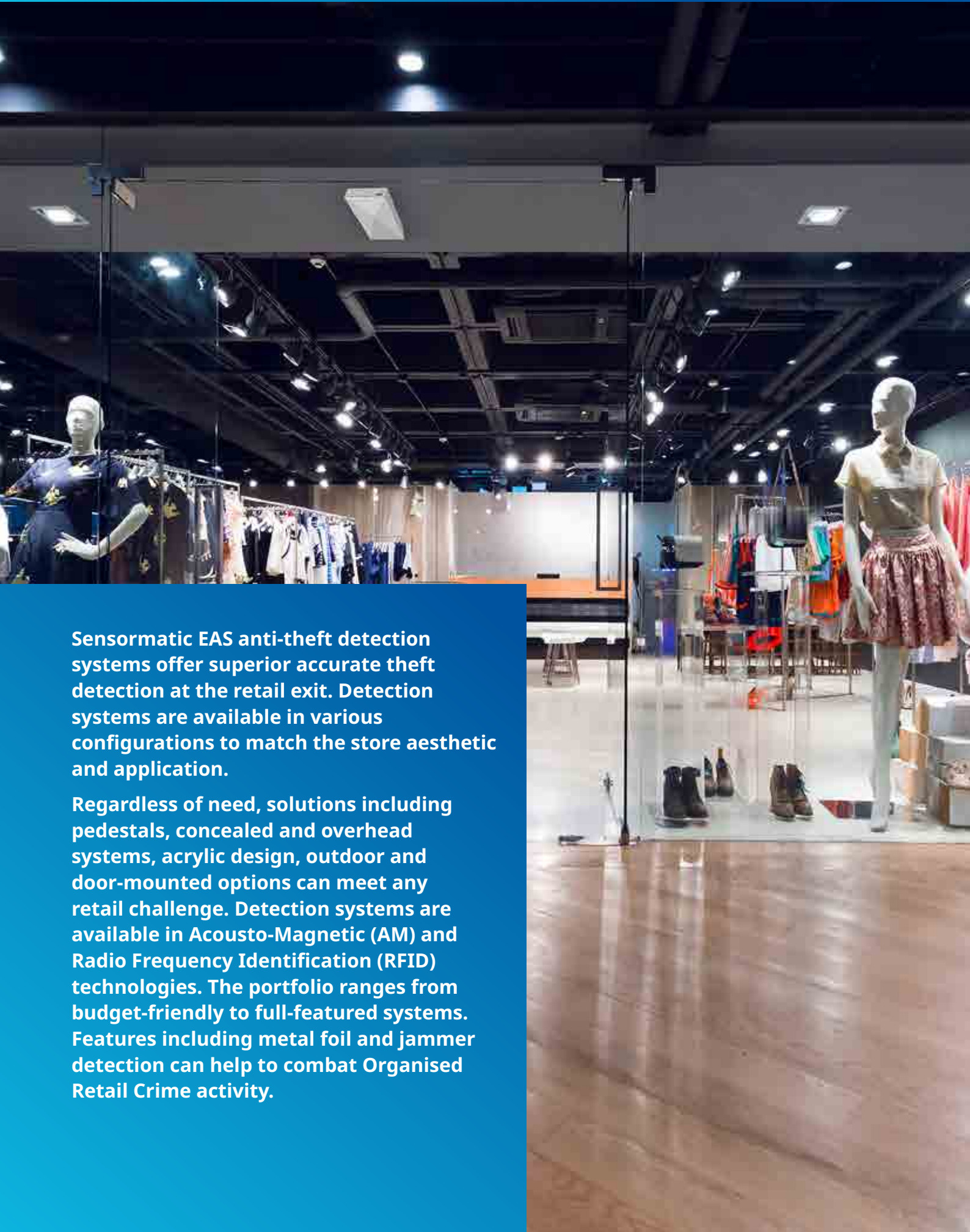


IDKM1000DT
Desktop Detacher



IDKM1010FM
Flush-mount Detacher

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



Sensormatic EAS anti-theft detection systems offer superior accurate theft detection at the retail exit. Detection systems are available in various configurations to match the store aesthetic and application.

Regardless of need, solutions including pedestals, concealed and overhead systems, acrylic design, outdoor and door-mounted options can meet any retail challenge. Detection systems are available in Acousto-Magnetic (AM) and Radio Frequency Identification (RFID) technologies. The portfolio ranges from budget-friendly to full-featured systems. Features including metal foil and jammer detection can help to combat Organised Retail Crime activity.



Shrink Analyzer is Sensormatic's cloud-based, inventory-agnostic SaaS solution, designed to help retailers to combat shrink, fraud and Organised Retail Crime (ORC) with precision and speed while ensuring a seamless in-store shopping experience.

Shrink Analyzer acts as the intelligent data engine within a connected Loss Prevention (LP) ecosystem. It ingests, cleanses, aggregates and analyses item-level data across the retail company, synchronising with Sensormatic RFID exit systems to deliver a clear view of what is driving losses in stores.

Advanced analytics capabilities provide LP teams with actionable insights and comprehensive evidence packages in order to aid investigations and strengthen prosecution efforts. By quantifying the financial impact of theft, fraud and other shrink-related factors, Shrink Analyzer enables retailers to prioritise interventions and develop strategic, data-driven approaches to loss mitigation.

Powered by RFID technology and enriched with ML-driven analytics, Shrink Analyzer delivers actionable insights through its streamlined subscription.

Retailer Values

Shrink Analyzer enables Sensormatic-powered RFID systems to deliver electronic product code (EPC) data for item-level analytics by store and across the company.

- Actionable shrink intelligence: understand the time, location, SKU and value of loss events
- ORC detection: identify bulk theft patterns and link them to video evidence packages to strengthen case building
- Assistant-driven classification: empower store teams to enrich data accuracy
- Inventory-agnostic integration: works with any inventory platform or BI tool
- Enhanced visibility: monitor high-risk zones such as employee entrances and receiving doors

How it Works

- Data flows from RFID-enabled exits and point-of-sale (POS) systems
- Events are classified using ML models and human input
- Dashboards show shrink patterns and investigator KPIs
- Video links and filters support evidence creation and prioritisation

Shrink Analyzer Key Capabilities

Data Ingestion

- RFID exit event data (cleansed and summarised)
- Product master data API and file upload
- POS UPC-based API and file upload
- EPC to UPC matching
- Shrink and timebound rules configuration

Device Management

- Uptime monitoring
- Firmware updates

Analytics & Insights

- Shrink event classification
- WOS% analytics
- Bulk theft and sweetheart detection

Visualisation and Reporting

- Shrink Insights web portal
- Dashboards and reports (CSV export)
- Geographic heatmapping
- Investigator productivity dashboard

Video Integration

Link shrink events to surveillance footage

Solution Features	Shrink Desk
Exit RFID event data, cleansed and summarised	●
Product master data ingestion API file upload	●
POS UPC-based API and file upload	●
EPC to UPC matching (Product Catalogue, and POS)	●
Device Management (Up-time & Firmware Updates)	●
Shrink Insights web portal	●
Shrink Dashboards and Reports (with CSV export)	●
Shrink event classification	●
Timebound rules	●
Video integration	●
WOS% analytics	●
Bulk theft analytics	●
Sweetheart detection and analytics	●
Validated UPC filter	●
Investigator productivity dashboard	●
Geographic heatmapping	●
ML Shrink Confidence Model Add-on	○
Product Catalogue Capture add-on	○



Subscription Details

Product Code	Description	Licence Type
SA-DESK-MO Shrink Desk	Shrink insights and analytics application.	Subscription
ADD-SCONFML-MO Shrink Confidence Model add-on	Add-on module that leverages data history to educate machine learning in order to identify patterns and automate the classification of shrinkage events, thereby improving accuracy and speed while reducing manual review requirements.	Optional add-on subscription
ADD-PCC-MO Product Catalogue Capture add-on	Add-on module that enables on-site scanning of RFID tags across existing stock to automatically identify and add unique UPCs to the product catalogue to match against exit data.	Optional add-on subscription



The RFID Only Door-Max is an attractive system that complements any store design with next-generation loss prevention technology. Powered by Radio Frequency Identification (RFID), the system provides shrink and stock visibility at the storefront. Attached to door frames, glass and other surfaces, this advanced detection system blends discreetly into any store décor.

This RFID-based EAS system gives retailers the ability to know what went missing and when, for clearer insight into theft as it happens at the storefront. The system supports pedestal spacing up to 2.0 m (6.6 ft) and features a highly customisable audible and visual alarm to notify store personnel of theft events.

By leveraging Sensormatic world-class patented Precise Automated Inventory Recognition (PAIR) technology, retailers can accurately identify tags in the detection zone, reducing nuisance alarms from stray RFID-tagged merchandise.

When utilised with TrueVUE Cloud's shrink visibility reporting, retailers gain an enhanced understanding of loss events at the storefront and can target shrink mitigation efforts more precisely.

Retailer Values

- Discreet antenna design that blends into any store entrance, yet remains visible to notify sales assistants of loss events
- Pinpoint vulnerable store areas with EPC item-level loss event reports on when, what and how many items go missing
- Configurable state-of-the-art colour LED light and customisable audible indicators immediately notify store assistants of alarm events
- Advanced accurate alarming technology enables highly reliable alarms to create a pleasant shopping experience
- Proprietary and proven Precise Identification technology prevents false alarms caused by other retailers' RFID-tagged merchandise
- Replenish out-of-stocks immediately with real-time, item-level reports of missing items
- Proactively identify and manage new shoplifting trends
- Drive incremental sales and increase conversions when using shopper traffic intelligence data
- Operates as stand-alone RFID as EAS or integrates with TrueVUE Cloud reporting for real-time shrink visibility (EPC as EAS)
- Automated inventory adjustments remove identified stolen EPCs to help maintain accurate stock levels

Maximise Real-Time Analytics

The TrueVUE reporting platform features dashboards, operational insights and exception-based reporting. Options include:

- Shrink by Day & Time of Day: Be aware of spikes in theft
- Shrink by Exit: Boost security near vulnerable exits
- Shrink by Category: Pinpoint merchandise most susceptible to shrink
- Total Shrink Events: Gain a company-wide view
- Shrink at Item-Level EPC: Gain EPC level insights
- Shrink-Based Video Integration: Record loss events as they occur for post-event analysis
- Shrink Validation: Validate loss events with POS transaction data

Product Compatibility:

- Sensormatic AM/RFID Hardtags
- EPC Gen2 Class 1 RFID Tags
- Digital Remote Alarm
- Orbit 8 and Xovis Traffic Counters
- AM/RFID detacher
- Advanpay-120 POS System
- TrueVUE Inventory Intelligence
- Shrink Analyzer application

Specifications

Pedestal (assembled)
 Height..... 183.6 cm (72.3 in)
 Width 26.0 cm (10.2 in)
 Depth..... 6.2 cm (2.4 in)
 Weight..... 9.1 kg (24 lb)

Multi-purpose RFID Reader IDX-4000

Input PoE device class IEEE 802.3at
 Air Interface Protocol . EPC Global UHF
 Class 1 Gen 2/ISO 18000-6C

Frequency bands

US..... 902-928 MHz (FCC)
 EU..... 865-868 MHz (ETSI)
 WW..... Various

Networking

Protocol..... TCP/IP
 Connection..... 10/100 base-T
 Switch support IP Multicast
 IP configurations.....DHCP or Static IP

Environmental Constraints

Operating temp.... 0°C to 50°C (32°F to
 122°F)
 Relative humidity 0 to 90%
 Non-condensing
 Enclosure IPX0

Declarations

EMC

47 CFR, Part 15
 EN 301 489
 EN 302-208
 EN55024
 ICES-003
 RSS-210

See individual product sheets if
 additional detailed information is
 required.

Safety

UL/EN 62368-1 (second edition)
 CSA C22.2.60950-1
 UL/EN 62368-1
 CSA C22.2.62368-1

Product Codes	Single Left	Single Right	Dual	Traffic Counter	Cool Grey	Charcoal
IDS1167-M1-CG-N1	•			•	•	
IDS1167-M2-CG-N1		•		•	•	
IDS1167-M3-CG-N1			•		•	
IDS1167-M4-CH-N1	•			•		•
IDS1167-M5-CH-N1		•		•		•
IDS1167-M6-CH-N1			•			•

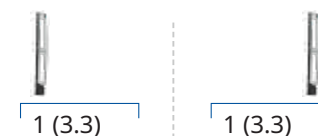
*Note: configured product codes above only for North America.
 Ordering for Rest of World (ROW) is modular in nature.



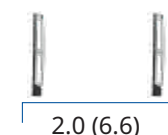
Configurations

Measurements – metres (feet)

Single



Dual



CE This product complies with
 Directive 2011/65/EU (RoHS 2),
 2015/863 (RoHS 3) concerning
 restriction on the use of certain
 hazardous substances in electrical
 and electronic equipment (RoHS).



Sensormatic Solutions is combining our inventory and loss prevention expertise with the Impinj® xSpan™ Gateway* system to provide an overhead system designed to help shape storefront intelligence. The solution is designed for installation above the storefront to deliver state-of-the-art Radio Frequency Identification (RFID) as Electronic Article Surveillance (EAS), plus inventory and shrink visibility analytics at Electronic Product Code (EPC) item level. A discreet alternative to the traditional EAS pedestal, this system complements store aesthetics while providing wide exit coverage in a smaller footprint.

By leveraging Sensormatic loss prevention expertise and introducing our new RFID EPC detection algorithm, the modern design of the Impinj® xSpan™ Gateway is extended to help provide retailers with highly accurate item-level visibility and insight into loss events while reducing nuisance alarms. RFID Overhead 360° complements any store aesthetic, with an optional light ring that illuminates and an alarm module that emits an audible alert when a potential theft has occurred. Taking traditional RFID as EAS a step further, RFID Overhead 360° can provide real-time EPC item-level visibility, the foundation for faster inventory and shrink event decision making.

When combined with TrueVUE Cloud shrink visibility reporting, retailers can gain an enhanced understanding of bulk shrink events, along with other shrink events at the storefront, and can help to target shrink mitigation efforts more precisely.

Retailer Values

- Alternative EAS solution – Provides discreet and scalable anti-theft protection for non-pedestal based storefronts
- Simple installation – Installs easily with pole mounting
- Wide exit coverage – Can be cascaded to fit almost any width exit
- Modern design – Complements store appearance; ideal for open ceilings, curved architecture and clean-line storefronts

Inventory Intelligence

- Platform connectivity – Access item-level insights when connected to TrueVUE Cloud
- Shrink analytics reporting – Use TrueVUE Cloud's current reporting capabilities
- Proactively identify shrink – Helps to identify and manage new shoplifting trends
- Pinpoint vulnerable store areas – Know when, what and how many items go missing with help from EPC item-level loss event reports
- Rapid replenishment – Replenish out-of-stocks with item-level reports of missing items
- Automated inventory adjustments – Remove identified stolen EPCs to help maintain accurate stock levels

Maximise Real-Time Analytics

The TrueVUE reporting platform features dashboards, operational insights and exception-based reporting. Options include:

- Shrink by Day & Time of Day: Know when spikes in theft occur
- Shrink by Exit: Boost security near vulnerable exits
- Shrink by Category: Pinpoint merchandise most susceptible to shrink
- Total Shrink Events: Gain a company-wide view
- Shrink at Item Level: Gain EPC level insights
- Shrink-Based Video Integration: Record loss events as they occur for post-event analysis
- Shrink Validation: Validate loss events POS transaction data

RFID as EAS

- Reporting analytics – RFID as EAS, alarm by exit alarm count and merchandise quantity
- RFID entry point – Allows customers to experience RFID while providing a migration path for inventory intelligence

System Coverage

- Two units are required for a 6 ft (1.8 m) wide opening
- Units can be cascaded to accommodate other storefronts
- The recommended mounting height is 9 ft (2.7 m)

Product Codes

Impinj® xSpan™ Gateway* only

Includes xSpan™ mounting bracket

IDE-IPJ-360-R6-1 (NA)

IDE-IPJ-360-R6-2 (Europe)

IDE-IPJ-360-R6-3 (APAC/LATAM)

IDE-IPJ-360-R6-4 (China/S. Africa)

IDE-IPJ-360-R6-5 (Australia)

IDE-IPJ-360-R6-6 (Japan)

A hardware license is required to operate the RFID Overhead 360° system.

Refer to regulations for country-specific limitations and for a list of supported regions and geographies.

Mounting Options

- VESA 75 (xSpan™ bracket)
- Pole-mount
- Direct ceiling

Optional Accessories

- Alarm Module Kit
- PoE Injectors and Cables
- Digital Remote Alarm
- 3 ft to 17 ft pole mounting options in black and white
- Sensormatic portfolio of RFID tags & labels

Product Compatibility

- GS1 EPC Gen 2 RFID tags & labels
- Advanpay-120 RFID POS system
- Sensormatic IDKM-1000 SuperTag Detacher
- TrueVUE Inventory Intelligence
- Shrink Analyzer application

Specifications

RFID Overhead 360° only

Height.....	9.0 cm (3.5 in)
Length	48.0cm (18.8in)
Width	22.0 cm (8.7 in)
Weight	7.6lb (3.4kg)

Overhead 360° with installed light ring

Height.....	10.05 cm (3.96 in)
Length	48.0cm (18.8in)
Width	22.0 cm (8.7 in)
Weight	4.49 kg (9.9 lb)

Power

PoE power supply (802.3af-2003 Class 3)

Power consumption max. 24 W

Air Interface Protocol

EPC Global UHF Class 1 Gen 2

ISO 18000-6C

RFID Specifications

Frequency bands

FCC band (NA).....	902-928 MHz
ETSI band (EU).....	865-868 MHz
GX1.....	902-928 MHz
GX2.....	902-925 MHz
GX3.....	920-926 MHz
JP2.....	916-921 MHz
Antenna transmitting power	13.8 W
Receiver sensitivity	84 dBm

Optional Alarm Module Kit

Visual alarm (on 360° viewing angle)

Tag detection alarm rep rate.....3 Hz
Ambient and alarm light colours are customisable

Audible alarm

Alarm volume 110 dB

Optional Digital Remote Alarm

Voice message file type.....WAV

Networking

Protocols SIP
Connection..... 10/100 base-T
Switch supportLayer 2/3 Optional VPN
Multicast required for POS integration
IP addressing.....DHCP or Static IP

Device Management Options

Embedded Sensormatic device management system or embedded web GUI

Environmental Constraints

Temperature range

Operating -20°C to 50°C (-4°F to 122°F)

Storage -20°C to 50°C (-4°F to 122°F)

Humidity

5% to 95%, non-condensing

Environmental rating

IP 50

Regulatory

North America

EMC 47 CFR, Part 15

ICES-003

RSS-210

UL 60950-1

CSA-C22.2.60950-1

Europe

EN 302 208

EN 301 489

EN 62368-1

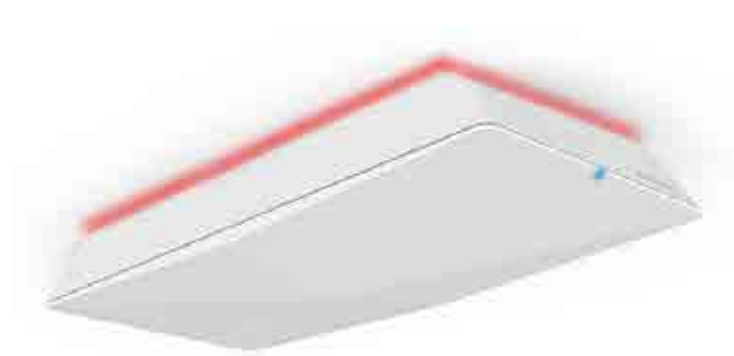
Contact Regional Solutions Management for the current list of approved countries for solutions and accessories.

Note:

additional details specific to the hardware are available in the Sensormatic Product Catalogue.

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RFID Overhead 360° with optional Alarm Module Kit



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Sensormatic RFID Readers and Antennas are key elements of our Inventory Intelligence solution suite. With a compact, low-profile design and focused reading range, these integrated devices add cost-effective RFID read points to point-of-sale (POS) cash wraps, kiosks and stockrooms.



The RFID Work Surface Antenna is a key element of the TrueVUE™ Inventory Intelligence solution suite. With a compact, low-profile design and focused reading range, this antenna adds cost-effective RFID reading points to point-of-sale (POS) cash wraps, kiosks and stockrooms. With additional RFID reading points, retailers can improve labour efficiency and enhance customer convenience, while providing the precise inventory accuracy needed to succeed in omni-channel retailing.

Compatible with EPC Gen2 standard RFID tags, the IDA-1000 antenna reads accurately across a wide variety of product types including clothing, footwear, books, electronics and more.

At the POS, the antenna provides near real-time visibility into which products are selling – dramatically improving restocking efforts and on-floor availability. Checkout is expedited by instantaneous reading of information on merchandise placed on or near the antenna instead of scanning barcodes by hand, to efficiently reduce costs and increase customer satisfaction.

In the stockroom, the antenna supports numerous RFID workflow tasks including receiving small shipments of merchandise, transferring items to another location and writing new RFID tags with precision. At till points, the antenna provides more accurate product lookups and enables self-checkout to provide improved customer service.

Retailer Values

- Aesthetic design and small form factor allow use in multiple areas throughout the store
- Ideal for use at the POS, kiosks and stockrooms with RFID tag reading distances from several inches to over two feet
- Expedites checkout to decrease costs while improving customer satisfaction
- Multiple installation options for a variety of environments: under counter, above counter or mounted on a wall
- Uniquely identifiable when used with IDX-family RFID reader, allowing remote management and easy diagnosis and troubleshooting

Product Codes

IDA-1000-US-RS

Desktop Antenna (North America), RP-SMA

IDA-1000-EU-RS

Desktop Antenna (European), RP-SMA

Product Compatibility

- Sensormatic Multi-purpose RFID Reader
- TrueVUE Inventory Intelligence
- Shrink Analyzer application
- EPC Gen2 standard RFID Tags and Labels

Specifications

Length 21.6cm (8.5in)

Width 21.6 cm (8.5 in)

Depth..... 1.5 cm (0.6 in)

Cable

Length 2.43m (8.0ft)

Connector RP-SMA (RP-SMA to TNC cable adapter included)

Mounting weight 0.4 kg (0.9 lb)

Mounting 2 slotted holes

Housing High-impact ABS

LED indicators 1 red, 1 green

Controlled by software when connected to IDX RFID Multi-purpose Reader

Frequency Bands

US 902 - 928 MHz (FCC Band)

IDA-1000-US-RS

EU 865 - 868 MHz (ETSI Band)

IDA-1000-EU-RS

Gain 3.3 dBiL

Beam Pattern 3 dB width <60°
(horizontal and vertical)

Polarisation RHCP

Max. VSWR (free space)..... <2.0

Impedance (nominal) 50 ohm

Max. Conducted Input Power.....2 W*

*Maximum legal input power
determined by in-country regulatory
requirements

DC Resistance..... 10K Ohm

Environmental Constraints**Operating temperature**

0°C to +50°C (+32°F to +122°F)

Storage temperature

0°C to +70°C (+32°F to +158°F)

Regulatory Compliance**Safety**

- UL 62368-1
- CSA-C22.2.60950-1
- EN 60950-11

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The Sensormatic IDX-4000 Multi-purpose RFID Reader builds on our first-generation IDX reader platform. It is an essential part of our Inventory Intelligence and Loss Prevention solutions. This device provides data to the TrueVUE platform to give retailers real-time visibility into RAIN RFID-tagged products. With this data, retailers can more effectively manage merchandise availability, improve operations, reduce shrink and create a memorable shopping experience.

The four-port reader offers company-class performance and dependability when reading and writing RFID tags. By doubling the reader's processing speed and increasing RAM memory capacity, retailers can leverage solution data for better operational insights.¹ Dense reader mode ensures high reading rates, while advanced noise cancellation delivers reliable data capture that has been proven in retail deployments worldwide. The newly enhanced software, compliant to LLRP 1.1 protocol, transforms this device into an industry-leading solution with advanced state-of-the-art features.

The IDX-4000 is the next-generation network connected reader with company device monitoring and management capabilities. It features Internet-of-Things (IoT) connectivity to enable hardware infrastructure and advance existing TrueVUE and cloud solutions.

Synergy AM + RFID Pedestals

This system uses the reader to enable storefront visibility, the ability to know what went missing and when, along with insights into item-level merchandise, alarm events and traffic data when combined with TrueVUE reporting analytics.

RFID Overhead EAS System

This RFID-enabled system provides merchandise protection without affecting the appearance of the store entrance. It is easy to deploy, provides wide exit coverage and is installed above the exit, taking up no floor space.

At the Point of Sale (POS) and Self-Checkout

Readers help to simplify and expedite the checkout process by integrating into existing POS systems and self-checkouts. The IDA-1000 Work Surface Antenna or Sensormatic IDKM AM/RFID detachable can simultaneously provide item-level transaction visibility.

Sales Floor and Stockroom

When paired with antennas, readers provide insights into receiving, transferring or returning tagged merchandise and help to transition items between store zones more efficiently.

Retailer Values

- World-class technology proven in thousands of installations globally

- Next-generation reader provides consistent inventory accuracy and item-level data with company-class quality and reliability
- Advanced architecture, with improved processing and memory, helps to maximise solution performance
- Industry-leading technology is designed for IoT interoperability, cloud computing data and insightful analytics
- Maintain simplicity of power input by using Power over Ethernet (PoE)

Product Codes

IDX-4000-N1

North America 902 - 928 MHz, FCC
UL 62368-1

IDX-4000-E1

Europe 862 - 865 MHz, ETSI
EN 62368-1

IDX-4000-W1

Sub-band of 902 - 928 MHz for China, Korea, Japan and others²

IDX-4000-W2

Sub-band of 902 - 928 MHz for Australia, Singapore, Hong Kong, Taiwan, Brazil and others²

¹When compared to the IDX-2000/8000

²Refer to IDX- 4000 Quick Start

Guide at [Sensormatic.com](https://www.sensormatic.com) for current list of approved countries.

Product Compatibility

- Sensormatic IDA-1000
- RFID Work Surface Antenna
- Sensormatic IDA-3100
- Beam-Steerable RFID Antenna (except Korea)
- Sensormatic IDKM-1000/1010
- RFID SuperTag Detacher
- EPC Gen2 Std. RFID Antennas and Tags
- Orbit 8 and Xovis Traffic Counters
- TrueVUE Inventory Intelligence
- Shrink Analyzer application

Specifications

Length	18.4cm (7.25in)
Width	19.0 cm (7.5 in)
Height.....	2.5 cm (1.0 in)
Weight	544 g (1.2 lb)

Mounting

2 reversible brackets included

Electrical

Powering Options

Power over Ethernet (PoE) IEEE 802.3at (30 Watts) (802.3af (15 Watts) limits power to 30 dBm)

24 Vdc, 1.7 A external power supply (included)

Power Consumption

24 W max

Air Interface Protocol

EPCglobal UHF Class 1 Gen 2

ISO 18000-6C

Transmission Power

+10.0 to +32.0 dBm

Lower regulatory limits apply 31-32 dBm for use RF extension cables only

Receiving Sensitivity

-80.0 dBm

IP Configuration

DHCP or Static IP configuration

Device Management Options

Embedded web GUI, TrueVUE or MQTT, USB storage device

Multi-Mode LED Indicators

Power, Status, Tag Reading and RF activity

Connectivity

4 monostatic RP-SMA ports

1 USB Device (Type B) port

1 USB Device (Type A) port

2 RS-485 ports (RJ45)

GPIO port – 4 inputs, 4 outputs (DE15)

1 x 10/100base-T Ethernet Port

1 x 10/100base-T Ethernet Switch Port

Environmental Constraints

Temperature range

Operating -20°C to +50°C (-4°F to +122°F)

Storage -20°C to +85°C (-4°F to +185°F)

Humidity

5% to 95%, non-condensing

Rating

Plenum rated, UL listed and complies with UL 2043

Regulatory

North America (-N1)

EMC 47 CFR, Part 15, ICES-003, RSS-210

UL 62368-1, CSA-C22.2.60950-1

Europe (-E1)

EN 302 208, EN 301 489, EN 62368-1

Other (-W1 or -W2)²



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Sensormatic Solutions' Transition Door further complements the investment made in RFID technology by offering retailers a simplified approach for updating EPC item-level stock records during replenishment events. This hands-free and automated solution helps to maintain a high level of inventory accuracy while maximising sales floor replenishment labour commitments between routine cycle counting activities. The Transition Door solution is ideal for any retailer seeking better visibility into what merchandise is on the sales floor, in the stockroom and in other zones of the store for a more efficient, unified commerce execution and a frictionless shopper experience.

Our Transition Door solution has dedicated stand-alone functionality, utilising the latest MQTT communication protocols to communicate with TrueVUE Cloud. As RFID-tagged merchandise moves from stockroom to sales floor or between any two distinct zones within the store, the low-profile and discreet RFID antennas read tagged merchandise while updating stock records in real time, without any user intervention. Both hand-carried merchandise and goods carried by trolley can be read with a high degree of accuracy during these replenishment events.

As a leader in stock management, our Transition Door solution provides a seamless, cost-effective complement to traditional hand-held mobile workflows. This solution helps to optimise replenishment workflows during peak traffic power hours and is a critical component in simplifying merchandise movement between any two zones within the store.

A Full Transition Door is recommended to accurately track merchandise as it transitions between two distinct zones within the store environment.

Retailer Values

- Helps to maintain inventory accuracy between regular store cycle counting sessions
- Flexible system which is adaptable to sales floor, stockroom or other zones within the store
- Uses minimal sales floor space, maximising floor space usage and sales per square foot for retailers with a smaller footprint or floor plan.
- Contemporary low-profile design blends into any store aesthetic

Product Compatibility

- TrueVUE Inventory Intelligence
- Shrink Analyzer application
- S1 EPC Gen 2 RFID tags & labels
- Sensormatic Multi-purpose RFID Reader
- Impinj® Speedway Revolution R420 UHF RFID Reader™

Full Transition Door

A Full Transition Door is two Half Transition Doors covering both sides or ends of a doorway or transition. A Full Transition Door is ideal for doorways or transitions with two-way merchandise movement, such as the stockroom to the sales floor or the sales floor to the stockroom.

Reader Product Codes

Sensormatic IDX-4000 UHF RFID Reader

IDX-4000-N1*	 (N. America)
IDX-4000-E1	 (Europe)
IDX-4000-W1	 (ROW)
IDX-4000-W2	 (ROW)

*North American configured product codes available

Impinj® Speedway Revolution R420 UHF RFID Reader™

IPJ-REV-R420-USA2MA	 (N. America)
IPJ-REV-R420-EU12M1	 (Europe)
IPJ-REV-R420-GX12M1..	 (S.E. Asia / Brazil)
IPJ-REV-R420-GX22M1...	 (APAC/ S. Africa)
IPJ-REV-R420-GGX32M1	 (Australia)
IPJ-REV-R420-JP22M1	 (Japan)

Sensormatic IDX-4000 UHF RFID Reader and/or Impinj® Speedway Revolution R420 UHF RFID Reader™ Specifications

Networking

Connectivity 1x100base-T Ethernet port

Protocols MQTT

Ports 80, 1883, 8883

IP Configuration

DHCP or Static IP configuration

Device Management Options

Embedded web GUI, TrueVUE, USB storage device

Regulatory Sensormatic IDX-4000 UHF

RFID Reader

North America

EMC 47 CFR, Part 15

CES-003, RSS-210

EN/UL/CSA 62368-1

Europe

EN 302 208

EN 301 489

EN 62368-1

Impinj® Speedway Revolution R420 UHF

RFID Reader™

North America

EMC 47 CFR, Part 15

CES-003, RSS-210

EN/UL/CSA 62368-1

Europe

EN 302 208

EN 301 489-3

EN 62368-1

EN 50364

Contact Regional Solution Manager for the current list of countries for RFID Readers

Sensormatic Flush-Mount P11 Antenna

Product Codes

North America

IDE-ADAN-P11US-1 White

IDE-ADAN-P11US-2 Grey

IDE-ADAN-P11US-3 Black

Europe

IDE-ADAN-P11EU-1 White

IDE-ADAN-P11EU-2 Grey

IDE-ADAN-P11EU-3 Black

Specifications

Length 20.0cm (7.9in)

Width 20.0 cm (7.9 in)

Depth 0.8 m (0.31 in)

Housing Plastic textured

Colour Grey, White, Black

Gain

EU version

3.2 dBiC (typical), 3.4 dBiC (max.)

0.8 dBiL

US version

3.4 dBiC (typical), 3.6 dBiC (max.)

1.1 dBiL

VSWR

<1.4:1

Beam width (AZ / EL)

100° / 100°

Cable

Connector RP-SMA

Maximum cable length Up to 4.5 m (15 ft)

Adapter required for Impinj® Speedway Revolution R420 UHF RFID Reader™

Mounting

Flush-mount to surface with hidden cabling

Shielding

Shielding required between sales floor and stockroom zones to differentiate stock locations

Note:

additional details specific to the Sensormatic IDX-4000 UHF RFID Reader available in the Sensormatic Product Catalogue.

*Impinj Speedway Revolution R420 UHF Reader is a registered trademark owned by Impinj, and use of such marks by Johnson Controls is under license. The Impinj logo is a registered trademark of Impinj Inc. Features and specifications are subject to change without prior notice.

Environmental Constraints

Temperature range

Operating -20°C to +50°C (-4°F to +122°F)

Storage -20°C to +85°C (-4°F to +185°F)

Humidity

5% to 95%, non-condensing

Rating

Plenum rated, UL listed and complies with UL 2043 (IDX-4000)

Powering Options

Power over Ethernet (PoE) IEEE 802.3at (30 Watts)

24 Vdc, 1.7 A external power supply (included, IDX-4000 only)

Grey, White and Black Antennas Available (Grey below)



CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



Zebra RFD40 UHF RFID Hand-held Readers integrate with Sensormatic Inventory Intelligence software to help provide better management of daily retail operational workflows. These lightweight, ergonomic readers offer full-shift battery life, making them ideal for execution of stock management, product location and replenishment tasks.

Designed to read and write EPC Class 1 Gen 2 UHF RFID tags, Zebra RFD40 UHF RFID Hand-held Readers communicate with approved iOS™ or Android™ mobile devices using Bluetooth® wireless technology. Available with optional device add-ons, including custom mounts for popular mobile devices, spare batteries, flexible charging cups, etc., these hand-held readers can support successful implementation of new and existing retail initiatives.

Zebra RFD40 UHF RFID Hand-held Readers are available in Standard, Premium and Premium Plus versions.

Sled, Battery, Hand strap and Quick Start Guide included with all units sold.

Standard

- RFD40 Sled with eConnex adapter and 8-pin connector
- Includes Standard Range, Circular Polarised Antenna, UHF RFID, Gun, 7000 mAh battery, Black

Premium

- RFD40 Sled with eConnex adapter, 8-pin connector, Wi-Fi, Bluetooth® and NFC

- Includes Standard Range, Circular Polarised Antenna, UHF RFID, Bluetooth®, WiFi, Gun, 7000 mAh battery, Black

Premium Plus

- RFD40 Sled with eConnex adapter, 8-pin connector, Wi-Fi, Bluetooth®, NFC and integrated barcode scanner
- Includes Standard Range, Circular Polarised Antenna, UHF RFID, Bluetooth®, WiFi, Gun, SE400 Imager, 7000 mAh battery, Black

Retailer Values

- Helps to drive increased revenue, employee productivity and customer satisfaction using TrueVUE software
- Features a comfortable and lightweight design for maximum portability for prolonged use
- Resists water, dust and dirt with industrial-grade durability
- Delivers secure indoor and outdoor mobile network connectivity
- Maximises employee productivity with fast scanning technology

Product Compatibility

- TrueVUE Inventory Intelligence
- Shrink Analyzer application
- EPC Gen 2 standard RFID Tags and Labels
- AM/RFID 2D Barcode Tag
- RF/RFID 2S Barcode Tag

Options

Cradles and Charging

- Cable cup
- USB-C cable
- USB wall brick for USC-C cable and cable cup
- 1-Slot charging cable
- 1-Slot charging and USB cradle
- Multi-slot charging cradle
- Multi-slot charging and Ethernet cradle
- 4-Slot Battery Toaster

Other Accessories

- eConnex™ Adaptors for Supported Zebra Mobile Computers

Battery locking foot

The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Zebra Technologies Corp. is under license. Features and specifications are subject to change without prior notice.

Android is a trademark of Google LLC. All other trademarks are the property of their respective owners.

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).

Environmental Constraints

- Operating temperatures**
14°F to 104°F (-10°C to +40°C)
- Storage temperature**
-40°C to 70°C (-40°F to 158°F)
- Humidity**
5% to 85% non-condensing
- Drop Specification**
5 feet (1.5 metres)
- Tumble Specification**
1000 drops (500 tumbles, 0.5 m (1.6 ft) at room temperature)
- IP Sealing**
IP54

Regulatory

- RF/Spectrum**
EN 302 208

EMI/EMC
FCC Part 15 Subpart B Class B; ICES 003 Class B;
EN 301 489-1; EN 301 489-3; EN 55035; EN 55032 Class B; EN 60601-1-2
- Electrical Safety**
IEC 62368-1 (ed.2), | UL 62368-1, second edition, CAN/CSA-C22.2, No. 62368-1-14
- RF Exposure**
EU: EN 50364, EN 62369-1, EN 50566, EN 62311;
USA: FCC Part 2. 1093 OET Bulletin 65 Supplement 'C'; Canada: RSS-102

Product Codes			
Country	Standard	Premium	Premium Plus
Worldwide	ZB-RFD40-BK-WR	ZB-RFD40-BK-IN	RFD4031-G10B7-WR
United States	ZB-RFD40-BK-US	RFD4031-G00B7-US	RFD4031-G10B7-US
EMEA	ZB-RFD40-BK-E8	RFD4031-G00B7-E8	RFD4031-G10B7-E8
Israel	ZB-RFD40-BK-IL	RFD4031-G00B7-IL	RFD4031-G10B7-IL
Japan	ZB-RFD40-BK-JP	RFD4031-G00B7-JP	RFD4031-G10B7-JP
Sri Lanka	ZB-RFD40-BK-SL	RFD4031-G00B7-SL	RFD4031-G10B7-SL
Thailand	ZB-RFD40-BK-TH	RFD4031-G00B7-TH	RFD4031-G10B7-TH
Tunisia	ZB-RFD40-BK-TH	RFD4031-G00B7-TN	RFD4031-G10B7-TN
India	ZB-RFD40-BK-IN	RFD4031-G00B7-IN	RFD4031-G10B7-IN

Specifications

	Standard	Premium	Premium Plus
Dimensions	15.1x8.4x6.65 cm (5.94x3.3x6.5 in)	15.1x8.4x6.65 cm (5.94x3.3x6.5 in)	15.1x8.4x6.65 cm (5.94x3.3x6.5 in)
Reading Range	20+ feet (6+ metres)	20+ feet (6+ metres)	20+ feet (6+ metres)
Battery Size	7000 mAh	7000 mAh	7000 mAh
Reading Rate	1300 tags/sec	1300 tags/sec	1300 tags/sec
User Input	Tri-function, user-programmable trigger	Tri-function, user-programmable trigger	Tri-function, user-programmable trigger
Notification	Decode LEDs, Battery Status LED, Beeper	Decode LEDs, Battery Status LED, Beeper	Decode LEDs, Battery Status LED, Beeper
Weight	541 grams (19.08 oz)	541 grams (19.08 oz)	556 grams (19.6 oz)
Barcode Scanner	Not compatible	Not compatible	Compatible – SE4100
Wireless Capability	Not compatible	Compatible – Bluetooth 5.3 and Wi-Fi 6	Compatible – Bluetooth 5.3 and Wi-Fi 6
Mobile PC	Compatible	Compatible	Compatible

Accessories

	Standard	Premium	Premium Plus
Mobile PC Cradles	Compatible	Compatible	Compatible
Spare Battery	Compatible	Compatible	Compatible
Charging	Flexible charging cups support charging of the sled by itself, mobile computer by itself, and a combination of sled and mobile computer when connected to each other		
Connection Cables	USB-C port for connection to PCs and other hosts		
Power Supplies	Zebra Power Supply 108 W DC Line Cable AC Line Cable (varies depending on country/countries) • US • Italy • Europe, Bolivia, Dubai, Egypt, Korea, Russia, Vietnam • Hong Kong, Malaysia, Singapore, UK		
Warranty: 1 year	Included	Included	Included
Warranty: 3 years	Available options	Available options	Available options

Traffic Insights



Our Traffic Insights portfolio empowers retailers, shopping centres and large-format venues to collect, visualise and influence their shopper engagement. These solutions and the analytical insights create improved conversion and optimise operations while helping to deliver outstanding shopper experiences. This section contains details of ShopperTrak Analytics (STAn), people counting devices and Market Intelligence as well as shopper behaviour solutions inside and outside the store.



Our Solution Offerings provide retail stores and large property venues with a clear, reliable look into predictive retail analytics to help make informed selling decisions. Such offerings include Market Intelligence, Traffic Counting, Employee Exclusion, Occupancy, Shopper Demographics and Views.



The shopper journey is evolving, and powerful data sets are helping retailers and shopping centres alike to embrace this transformation. From people counting devices at the property entrance to location-based technologies monitoring shopper movements, Sensormatic provides a comprehensive view of the complete shopper journey along with other customer behaviour inside your property.

ShopperTrak Analytics (STAn) is an online platform that generates analytics into traffic, conversion, labour, shopper movements, market insights and other key performance indicators (KPIs) for retail and shopping centre organisations. This quick and ready-to-access reporting platform enables comprehensive insights delivered via intuitive dashboards or customised reports highlighting peak traffic times, trends and patterns and other performance-based metrics specific to your store and/or company.

By leveraging the full capabilities of ShopperTrak Analytics, corporate and on-site end users can take immediate action to improve desired business outcomes.

Retailer and Shopping Centre Values

Retailer Values

The ShopperTrak Analytics platform funnels data from multiple sources, arming retailers with the information they need to run their business more efficiently. Values include:

- Identify high performing, in-store opportunity, out-of-store opportunity and poorly performing stores
- Establish performance benchmarks
- Analyse promotional effectiveness of marketing events
- Identify peak opportunities for conversion
- Improve labour scheduling/ productivity
- Drive store productivity and retail operations
- Measure assistant effectiveness
- Enhance the in-store customer experience

Shopping Centre Values

Shopping centres and large event venues need data to help make informed decisions that drive end results. ShopperTrak Analytics aggregates powerful data sets into one centralised location. Values include:

- Analyse promotional effectiveness of marketing events
- Better understand traffic by entrance contribution

- Improve labour scheduling/ productivity and safety
- Manage maintenance schedules and general operations
- Improve leasing models and tenant mix
- Understand catchment areas and traffic patterns

Dashboard and Reporting

Power Hours

Helps to identify the busiest hours within a given time frame. May be used to align labour with traffic opportunities

What-if Analysis

Enables users to quickly review the impact to changes in conversion, average transaction size, units per transaction or traffic

Entrance Evaluation

Review traffic data insights by entrance or by groups of entrances, formatted in a table, graph or map.

Push Reports

Key reports can be scheduled and delivered via email on a recurring basis

Organisation/Site/Zone Reporting

Shows users key performance indicators for an entire organisation, individual site or zone within a property

Custom Fiscal Calendar

Dashboard set-up can utilise a retailer-specific fiscal calendar

Solution Requirements

- Internet-connected computer, laptop or phone
- Traffic data from an overhead people counter

*Optional: customer transaction details and employee labour hours

Standard Subscriptions

Name	Description	Property Type
Traffic	The number of visitors to a location, generally measured daily or hourly. Traffic patterns vary by brand, region, season and exact store location.	Retailers & Shopping Centres
Power Hours	A Power Hour is any hour that contributes to 1.5% or more of the total weekly traffic, or an alternative threshold that your company specifies.	Retailers & Shopping Centres
Sales*	The gross revenue for your organisation. Requires customer to load sales data into ShopperTrak Analytics.	Retailers & Shopping Centres
Labour*	The total labour hours that assistants work. Requires customer to load labour data into ShopperTrak Analytics.	Retailers & Shopping Centres
Conversion*	The percentage of people who make a purchase during a visit to the site. Requires customer to load sales data into ShopperTrak Analytics.	Retailers
Average Transaction Size (ATS)*	The amount of money that a customer spends on average during each transaction.	Retailers
Sales-Per-Shopper (SPS)*	Accounts for different levels of Conversion and ATS across stores, showing assistant effectiveness in one metric versus two.	Retailers
Shopper-To-Assistant Ratio (STAR)*	The ratio of customers to the amount of labour on site.	Retailers
Monthly Subscription	SERESTSSRE00	Retailers
Monthly Subscription	SERESTSSPR00	Shopping Centres

*Requires sales or labour data feed

Optional Subscriptions

Name	Description	Property Type
Real-Time Traffic SERESTSSRT00	Same-day traffic reporting in either 1-minute or 15-minute intervals. Can also derive Occupancy Monitoring.	Retailers & Shopping Centres
Market Intelligence SEREMISSDC00	An index of customer foot traffic performance across a specified retail category for a given city, region or country level.	Retailers & Shopping Centres
Store Guest Behavior SEWSIVSEGB00	Leverages people counting devices, WiFi, mobile and video technologies to understand how shoppers are moving through your property.	Retailers & Shopping Centres
Occupancy Monitoring SERESTSSRT00	The number of people currently within a property, provided in intervals of 1 minute or 15 minutes. Requires a Real-Time traffic subscription.	Retailers & Shopping Centres
Employee Exclusion SEREMUSSEE00	The removal of employee movements from the final traffic count at site level.	Retailers
Brand Visits SEMDUNDSTBV00	A consumer mobility-based metric. Provides insight into when and how often shoppers visit stores and competitor stores. Also helps to reveal complementary destinations.	Retailers
Cross-Shopping Visits SEMDUNDSTCV00	A metric designed around consumer mobility and behaviour patterns. Adds the 'before' and 'after' element of a shopper visit at site level.	Retailers & Shopping Centres
Category Benchmarking SEMDUNDSTCB00	An estimated view of total shopper mobile phone location-based data on a sample of measured visits.	Retailers
Vehicle Counting 02099-001 (Dome Camera) SEVAAXSSVE00 (Overhead Camera) SERESTSSRT00 (Real-Time Traffic) SERESTSSPR00 (ShopperTrak Analytics) SEVAAXSSVE01 (Additional Vehicle Counting Dashboards)	The number of vehicles counted across large-scale properties accommodating garages and covered or open parking structures.	Shopping Centres
Shopper Demographics SEOCXODGSSRE (Stereoscopic Device Retail) SEOCXODGSSPR (Stereoscopic Device Shopping Centre) IDVAVBDCLIC (Computer Vision Edge Device)	A measurement of shopper sentiment, age range and gender. May be reported in real time.	Retailers & Shopping Centres



Just like retailers, Sensormatic Solutions is passionate about delivering a great customer experience. ShopperTrak helps to empower retailers with traffic data – collected by people counting – that helps to boost engagement and drive conversion and profitability.

Our Employee Exclusion solution helps you to remove staff movements from your store traffic counts. This allows you to calculate more precise conversion rates and measure how effective your staff are in engaging shoppers.

Challenges

- Employee movement inflates visitor counts, skewing conversion rates
- Unsure how quickly and effectively staff greet shoppers
- Lack of data to measure staff engagement and customer experience

Retailer Values

- Filter staff movements out of your store counts
- Determine precise conversion rates
- Generate faster real-time data and analytics
- Access highly accurate traffic counting
- Understand how quickly your staff engage visitors
- Generate flexible and customised reporting
- Receive stress-free installation anywhere in the world

Product Compatibility

- Video AI
- Orbit AI



ShopperTrak Market Intelligence from Sensormatic Solutions brings traffic data enriched with 20+ years of knowledge from 2,100+ customers in multiple countries, cities, postal codes and merchandise categories.

We can take the traffic data from your sites and individual stores, across multiple segments/categories, and compare it to the rest of the market to help you better understand performance at city, region and/or country level.

Challenges

If you are facing the below challenges, then you should consider ShopperTrak Market Intelligence:

- Assessing marketing effectiveness
- Leveraging traffic insights when evaluating expansion/contraction opportunities
- Understanding how your stores are performing in comparison with the rest of the market

Retailer Values

- Better evaluate marketing effectiveness with category and region-specific benchmark data
- Better understand global geographic traffic trends to determine new store locations or commercial property

Key Insights

ShopperTrak Market Intelligence by Sensormatic Solutions gives you the ability to:

- Analyse side-by-side comparisons of your organisation's traffic trends with the market and merchandise category level
- Receive a custom-defined calendar for your organisation
- Obtain global data under one application for actionable insights



Of all the advantages offered by retail traffic counting, staffing alignment is viewed by many as being the most critical. ShopperTrak's in-store traffic analytics solution enables store and district managers to identify power hours, i.e. the times when traffic peaks consistently week after week, month after month. Because conversion potential increases when traffic spikes, bringing in additional customer-facing staff during these windows of opportunity is a common-sense way to boost sales and profit. In other words, traffic analytics translates into ideal customer experiences and better business outcomes.

Challenges

If you are facing the below challenges, then you should consider our Traffic Counting solution:

- You don't have a reliable source to help you understand shopping centre traffic
- You are just guessing how many visitors enter and exit your space each day
- You aren't sure when your best opportunities for traffic occur

Retailer Values

By understanding how many shoppers enter and exit your space you can:

- Identify opportunities to increase sales per shopper (conversion, basket size)
- Improve labour allocation/scheduling
- Assess promotion effectiveness and align with operations

Key Insights

With ShopperTrak's Traffic Counting solution, retailers will gain access to metrics and insights to help them make informed decisions for their businesses. You will be able to view metrics such as:

- Traffic: total number of visitors to a site
- Power Hours: peak time for customers to visit your retail space
- And much more if you integrate your sales and labour data into ShopperTrak's reporting portal, ShopperTrak Analytics



The Sensormatic Traffic Counting solution for shopping centres helps to empower property owners, managers and other business end users with access to reliable, accurate shopper traffic metrics. By leveraging advanced people-counting technology, centres can successfully analyse various performance-related metrics. This includes visibility into new leasing models, operational efficiencies, asset management and marketing campaign effectiveness.

Shopping centres can leverage ShopperTrak Analytics to better analyse business successes and opportunities. When real-time analytics are enabled, end users can make immediate, impactful decisions based on traffic to assist with the property's busiest times and areas. This traffic data also helps shopping centre operators:

- **Maintain operational efficiencies** – Determine the appropriate time and area for daily maintenance, janitorial activities and security walks.
- **Receive insight into marketing campaign effectiveness** – Analyse how customers engage with the shopping centre and tenant retailers.
- **Enhance shopper flow** – Help to improve layouts and determine which areas of the shopping centre receive investment priorities.

- **Maximise tenant occupancy** – Provide prospective tenants with informed traffic flows to help guide retail activity that meets the brands' potential.
- **Optimise returns from leasing terms** – Negotiate leasing terms based on traffic analytics.

Challenges

Evolving consumer shopping behaviour along with the prevalence of omni-channel retailing are reshaping how shopping centres conduct business. Today's shoppers want a destination where they can socialise and be entertained, while shopping centre operators desire a sustainable, profitable tenant mix which aligns with shopper expectations. Given the rapidly evolving retail landscape, shopping centres can successfully deliver on shopper expectations and property goals if equipped with the right tools and data sets.

Shopping Centre Values

ShopperTrak Analytics provides shopping centre operators with the tools and the understanding to make informed, data-driven decisions. Equipped with our reporting dashboard, end users can quickly compare year-on-year or prior period performance results to further analyse key business priorities and meet evolving stakeholder and user

needs. Key reporting metrics include:

- **Traffic by entrance, zone and/or aggregate level reporting** – Analyse traffic trends by single entrances, a grouping of entrances (called zones) or for the entire property.
- **Traffic analysis by daypart** – Analyse traffic patterns by grouping data by selected hours and/or days of week based on user preference.
- **Entrance contribution** – View the traffic distribution for all entrances for selected time frames.
- **Entrance map chart** – Upload a shopping centre directory map to quickly and easily view entrance traffic patterns and data sets.
- **Power hour chart** – Understand key scheduling opportunities based on historic traffic trends for selected zones or entrances.
- **Real-time occupancy** – Know the number of customers within the property, or within different zones.



Sensormatic Solutions is passionate about empowering shopping centres to collect, visualise and influence their shopper engagement traffic, measuring people counting and driving conversion and profitability while delivering great customer experiences by analysing data interpretations.

As a global leader in enabling smart and connected shopper engagements, Sensormatic Solutions is reinventing the parking experience for shopping centres with a company-wide vehicle counting solution. Our Vehicle Counting solution is powered by artificial intelligence, offering near real-time data analysis that empowers shopping centres and arcades with a comprehensive interconnected ecosystem. It enables parking area entrance, vehicle counting and space occupancy monitoring, for a better understanding of shopper parking behaviour with a more holistic view of your property. Easy integration with a traffic analytics platform, such as ShopperTrak Analytics, can help to uncover data-driven insights in order to further optimise shopper experiences, operational efficiencies, asset management and other performance-based outcomes.

Challenges

You should consider the Vehicle Counting solution if you are facing any of these challenges:

- How many vehicles, in which categories, enter and exit through each of my property entrances?
- What vehicle parking capacity does my property need in order to optimise my property revenues?
- How do I determine the vehicle parking capacity development plan?
- How do I help to ensure safety and minimise property liability in my parking area?
- Can I allocate staffing more effectively for property operations across the shopping centre, including the parking facilities?
- Can I prepare more efficiently for special events, marketing campaigns, signage options, promotional programmes and property amenities?
- What percentage of my visitors drive each category of vehicle, including cars, bikes, trucks and buses?

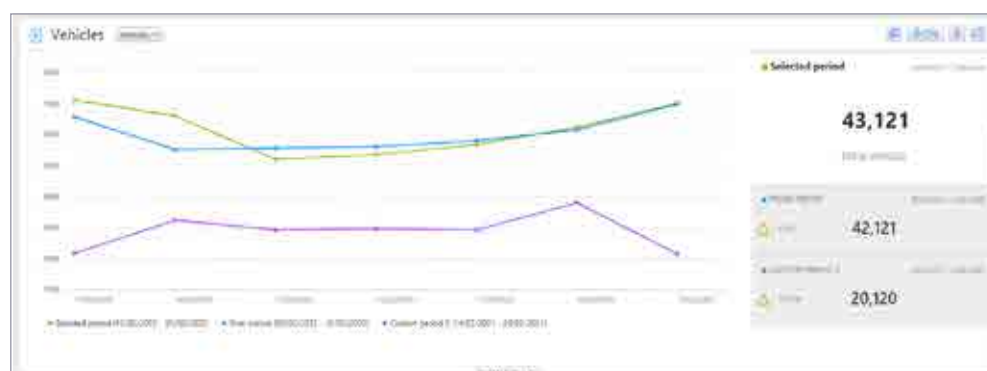
Retailer Values

- Gain insights and alleviate congestion by monitoring vehicle category and traffic in near real time throughout the day
- Measure the ROI of parking construction programmes and plans more accurately
- Uncover holistic property-related parking behaviour to make full use of the property amenities and space
- Monitor in near real time to enable immediate action for reducing the accident rate
- Optimise staffing for parking zone maintenance and security
- Evaluate the visitor attendance impact of special events, marketing campaigns, signage options and unique property amenities

Dashboards



Gauge the busiest hours of the entrance to a parking area. The dark blue spaces represent 'Power Hours', or the very busiest hours for the selected time frame.



Quickly compare vehicle traffic against different selected historical time frames, such as period-on-period or year-on-year.



Optimise traffic flow throughout the property by analysing parking behaviour for each vehicle category and adjusting movement patterns accordingly.*

*Additional subscription required

Subscription and Product

Vehicle Counting

Product Codes	Service
02099-001	Dome Camera (P3265-LVE)
SEVAAXSSVE00	Monthly Software Subscription – Axis Vehicle Counting – Managed Service (MS) Overhead Counters
SERESTSSRT00	Monthly Software Subscription for Real-Time Traffic (per device)
SERESTSSPR00	Monthly Subscription – ShopperTrak Analytics – Property
SEVAAXSSVE01*	Monthly Software Subscription – Extra Dashboards for Vehicle Category



ShopperTrak, a Sensormatic Solutions brand, is passionate about empowering retailers, shopping centres and many more to collect, visualise and influence their traffic, driving people counting, conversions and profitability while delivering great customer experiences.

Our On-Premises Real-Time Occupancy Solution enables you to accurately understand shopper density within your store. The solution can help you to comply with corporate, local or agency guidelines for social distancing.

Challenges

- My stores are not network connected
- Knowing how your store occupancy changes in real time
- When to advise security teams that maximum occupancy limits are reached
- Finding the right cleaning schedule for high-touch areas
- Consistent shopper experience during high traffic times of the day

Retailer Values

- Understand when your store is approaching maximum occupancy with easy-to-understand visuals
- Ability to adjust occupancy thresholds to support social distancing guidelines
- Optimise cleaning schedules for common facilities, such as toilet facilities in the store, based on real-time traffic patterns
- Understand staffing needs to provide greater customer engagement during peak traffic times
- Helps in auditing for occupancy compliance with national and local regulations



ShopperTrak, a Sensormatic Solutions brand, is passionate about empowering retailers, shopping centres and many more to collect, visualise and influence their traffic, driving people counting, conversions and profitability while delivering great customer experiences.

Our Real-Time Occupancy solution enables you to accurately understand shopper density within your store. The solution can help you to comply with local or government regulations in order to adhere to social distancing guidelines, meet maximum limits and optimise traffic management strategies.

Challenges

- Knowing how your store occupancy changes in real time
- Alerting security teams that maximum occupancy limits are reached
- Finding the right cleaning schedule for high-touch areas
- Consistent shopper experience during high traffic times of the day

Retailer Values

- Understand when your store is approaching maximum occupancy with easy-to-understand visuals
- Real-time alerting when maximum occupancy threshold is reached
- Ability to adjust occupancy thresholds to support social distancing guidelines
- Optimise cleaning schedules for common facilities, such as toilet facilities in the store, based on real-time traffic patterns
- Up-to-the-minute understanding of staffing needs to provide greater customer engagement during peak traffic times
- Helps in auditing for occupancy compliance with national and local regulations



ShopperTrak, a Sensormatic Solutions brand, is passionate about empowering retailers, shopping centres and many more to collect, visualise and influence their traffic, driving people counting, conversions and profitability while delivering great customer experiences.

Our Real-Time Occupancy solution enables you to accurately understand shopper density within your store. The solution can help you to comply with local or government regulations in order to adhere to social distancing guidelines, meet maximum limits and optimise traffic management strategies.

Challenges

- Knowing how your site occupancy changes in real time
- When to advise security teams that maximum occupancy limits are reached
- Finding the right cleaning schedule for high-touch areas such as toilet facilities or food courts

Shopping Centre Values

- Understand when your shopping centre is approaching maximum occupancy with easy-to-understand dashboards
- Real-time alerting when maximum occupancy threshold is reached
- Optimise cleaning schedules for toilet facilities, food courts or common areas in the shopping centre based on real-time traffic patterns
- Helps in auditing for occupancy compliance with national and local regulations



Sensormatic Solutions is passionate about helping retailers, shopping centres and venues to collect digital shopper analytics to help quickly find and react to opportunities, to drive sales and profitability, and to optimise the shopper experience.

Retailers can measure e-commerce success by tracking not only online traffic, conversion and abandonment rates, but also shopper loyalty and engagement. The seamless digital experience you offer can also carry over to physical locations where convenience, personalisation and customer service merge to provide one remarkable brand experience.

The Store Guest Behaviors solution leverages people counting devices, plus WiFi, mobile and video technology powered by Re-ID to better understand and create a more holistic view of how shoppers shop in your stores through a single platform. The Store Guest Behaviors solution can help you to make better informed decisions, to create a superior shopping experience that aligns with your mission as a brand.

Challenges

You should consider the Store Guest Behaviors solution if you are facing any of these challenges:

- Determining whether shoppers experience your brand as envisioned
- Building a strategy to have the right merchandise categories for your target shoppers
- Measuring the impact labour has on the in-store shopping experience
- Selecting the optimal merchandise floor plan
- Determining the effectiveness of marketing campaigns in delivering desired outcomes
- Assessing shopper loyalty through repeat visit frequency
- Knowing the demographics of shoppers and their interests when in store

Retailer Values

- Discover how your customers experience your store and gain insights to help attract shopper traffic
- Analyse paths-to-purchase to help improve store layouts and increase profit per square foot
- Increase shopper engagement and understand the behaviour that leads new customers to become loyal customers
- Leverage shopper paths and dwell times to inform merchandise mix and to help optimise promotional display placement, planogram effectiveness and assortments
- Determine which marketing activities deliver optimal ROI by connecting in-store shopper behaviour with campaign results
- Reduce customer waiting times in checkout queues with real-time queue data
- Know the age, gender and interests of shoppers visiting your stores
- Exclude employees from traffic counts without requiring special wearables

Key Metrics

Key Performance Indicator	Description
Entry & Draw Rate*	The percentage of shoppers who visited a store or zone. Used to understand which displays attract shoppers inside a store or specific zone.
Dwell Time*	The average duration of store or zone visits (in minutes). Used to give context to Traffic and Sales KPIs which can be positively or negatively impacted by higher or lower dwell times.
Abandonment Rate*	The percentage of shoppers who entered and exited the store or zone within a very brief time. Used to identify trends of guests abandoning stores due to negative experiences.
Visitor Frequency*	The number of visits to a store or zone made by individuals during a selected time frame. Used to capture the behaviour of both loyal and new shoppers.
Path Analysis**	The traffic patterns taken by guests as they navigate a space. Used to analyse paths-to-purchase to help improve building layouts and profit per square foot.
Employee Exclusion***	The removal of employee-generated traffic counts from the aggregated traffic count.
Traffic**	The total number of people who have entered/exited a location during a given period. Traffic is a compulsory requirement for many Store Guest Behavior-related metrics.
Shopper Demographics***	The identification of essential shopper attributes, including age and gender, to ensure an optimal product mix and a more defined shopper profile.
Real-Time Checkout****	The number of shoppers queuing at the checkout, showing actual wait times. Used to optimise staffing resources, ensuring an efficient shopper journey.

*Available with Wi-Fi sensors **Not available with Wi-Fi sensors *** GPU device and camera required ****Xovis Smart Grid required

Product Codes for Store Guest Behaviors Services

Product Codes	Service
SEWSIVSEGB00	System-managed service for Store Guest Behaviors (per device)
SEOCMUSETR00	System-managed service for overhead counters (per device)
SEVATDVMGB7M	Re-ID sensor tilt view camera
SEVATDVMGBG3	Re-ID stereoscopic sensor overhead
SEVATDVM03T2	AI Re-Identification up to four sensors
SEVATDVM08T6	AI Re-Identification up to eight sensors
SEVATDVM16G2	AI Re-Identification up to sixteen sensors



Sensormatic Solutions provides retailers, shopping centres, and other property venues with actionable data insights that enable more personalised shopping experiences, ultimately driving increased sales and profitability.

Next-generation people-counting devices leverage artificial intelligence (AI) and deep learning algorithms to deliver accurate, real-time, qualitative insights into shopper demographics. With key performance indicators on gender, and age, retailers gain a better understanding of their shoppers, enabling them to attract more customers, maximise the return on investment (ROI) of marketing campaigns, and improve conversion opportunities. By creating detailed shopper personas for brick-and-mortar locations, retailers can tailor assortments and point-of-sale strategies, aligning their analytics capabilities with those of e-commerce and digital platforms.

Shopper Demographic analytics can be achieved through stereoscopic sensors or through video based devices.

The method used to capture each KPI is dependent on the chosen people-counting device.

Challenges

You should consider Shopper Demographics if you are facing any of these challenges:

- Getting to know your visitors and shoppers by gender, age and sentiment and how this evolves over time
- Understanding how to adapt product assortment and point-of-sale activity by shopper demographic
- Knowing how your marketing strategy is performing to attract your shoppers
- Developing a precise shopper profile for your brick-and-mortar properties with similar insights to your e-commerce and other digital platforms
- Knowing shopper traffic patterns by gender and age and comparing them to previous periods

Retailer Values

- Access precise shopper demographic data to find out more about who is in your store
- Improve ROI of point-of-sale activity and increase conversion and average transaction size
- Adapt merchandise to target groups of shoppers
- Measure the impact of marketing campaigns to help attract shoppers into stores
- Define power hours by gender and age to help improve customer service and adapt promotional activity

Product Codes

Stereoscopic Overhead Device

- SEOCXOPC2SE - XOVIS
- SEVATDVMGBG3 - Orbit AI

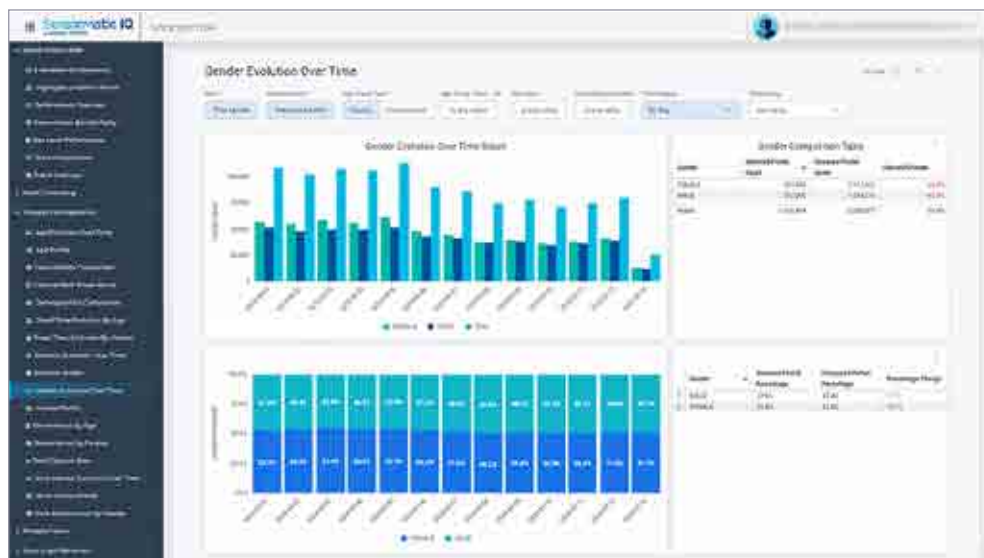
Video Based Device

- SEVATDVMGB7M - Video AI

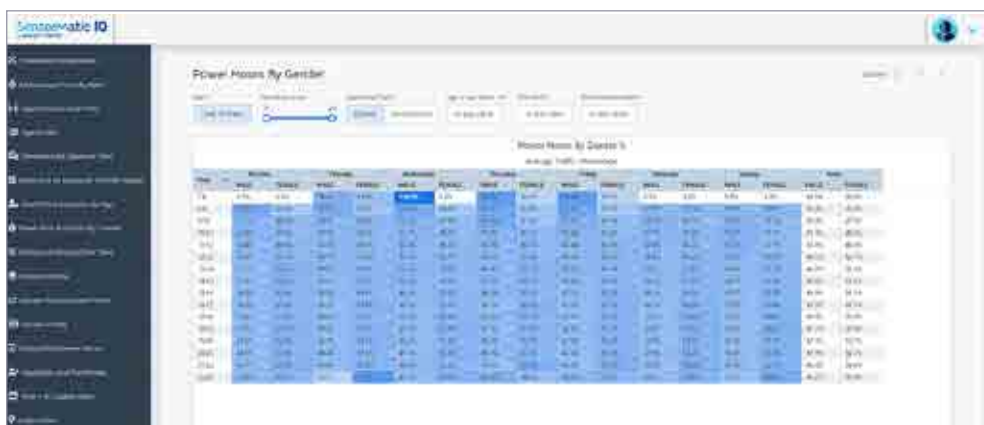
GPU (Requires one per site - Orbit AI and Video AI only)

- SEVATDVM03T2 - Up to Four Devices
- SEVATDVM08T6 - Up to Eight Devices
- SEVATDVM16G2 - Up to Sixteen Devices

Dashboards



The Demographic Evolution Over Time Dashboard provides detailed evolution of age and gender over time.





Sensormatic Solutions has partnered with HappyOrNot, a real-time customer feedback management company that offers businesses insights as to when, where and why customers are satisfied with their experience through unparalleled feedback. This collaboration, called Brand Vitality Meter, brings together the expertise of both companies to deliver exceptional insights from solutions which optimise customer experiences and drive business growth.

With Brand Vitality Meter, businesses can combine the customer and missed customer feedback provided through physical and digital data collection points with metrics from Sensormatic Solutions. Using this data, businesses can begin to identify the impact positive and negative customer satisfaction scores have on various key performance indicators such as sales, conversion and average transaction size, and begin to assess the overall health of their brand.

By integrating Sensormatic Solutions' traffic analytics capabilities, businesses also gain further insights relating to the ratio of shoppers who are leaving feedback, shedding light on the brand experience on offer as compared to the staffing level.

Business Challenges

- Difficulties in capturing high quality and quantity of relevant feedback from customers
- Challenges in measuring store improvement strategies and their direct impact on customer satisfaction levels
- Unable to identify the correlation between scheduled labour and its impact on customer satisfaction
- Difficulties in identifying stores with low performance ratios and the incremental benefits improved customer satisfaction scores could have on overall performance

Business Values

- Be aware of the portion of shoppers who provide feedback versus the total number of shoppers who enter your location
- Quantify the relationship between key performance indicators and customer satisfaction scores
- Improve service levels by strategically aligning assistant schedules and talent types, taking account of traffic patterns, sales and customer satisfaction
- Map and segment all stores based on key performance indicators such as sales per shopper, conversion rate, customer satisfaction and shopper to assistant ratios
- Evaluate the effectiveness of new business initiatives and their impact on key performance indicators, such as sales per shopper, conversion and customer satisfaction scores

Dashboards

Performance Overview – Provides a straightforward overview of retail performance by leveraging combined metrics from Sensormatic Solutions and HappyOrNot, including traffic, shopper to assistant ratio (STAR), conversion rate, average transaction size, customer satisfaction scores (Happy Index) and completion rate.



Performance Overview

Store Comparison – Enables the mapping of all stores into quadrants based on metrics from HappyOrNot and Sensormatic.



Store Comparisons

Power Hours – Provides analysis based on two variables: one sourced from HappyOrNot, the other from Sensormatic Solutions during Power Hours or high-volume time increments for a specified period.



Power Hours

Trend Overview – Displays the progression of retail performance using a combination of metrics from Sensormatic Solutions and HappyOrNot, including average traffic, STAR, sales per shopper (SPS), completion rate and customer satisfaction scores.



Trend Overview

Highlights and Pain Points – Offers a breakdown of customer feedback relating to various topics such as customer service, product availability and more. This dashboard also provides a comparison between the number of mentions in the selected period and in the comparison period.



Highlights and Pain Points

Site Level Performance – Displays a list of stores (along with their key performance indicators) for the selected time period as well as the comparison period.



Site Level Performance

Product Subscriptions

SEREHOSSCS00

Monthly Software Subscription for Brand Vitality Meter

HappyOrNot is a registered trademark of HappyOrNot Ltd. and any use of this mark is under licence. Features and specifications are subject to change without prior notice.

Overhead People Counting



We count visitors using traffic counting devices at entrances and throughout the store to deliver deep and accurate insights on consumer behaviour in physical spaces. Our traffic counting analytics platform is device-agnostic and we offer both Sensormatic-designed as well as partner stereoscopic people counting devices.

Orbit AI Overhead People Counting Sensor



Sensormatic Solutions' next-generation stereoscopic overhead people counting sensor, the Orbit AI (Artificial Intelligence), delivers best-in-class traffic counting capabilities suitable for virtually any retail environment. The Orbit AI can be used in both indoor and outdoor spaces with varying lighting conditions and is adept at handling areas with high foot traffic. This versatility ensures accurate performance in a wide range of settings, adapting seamlessly to different operational needs.

Equipped with advanced Re-ID people counting technology and deep learning AI computing capabilities, this device features sophisticated filtering to differentiate between adults, children and non-traffic objects such as shadows and reflections. Flexible mounting options are available to facilitate path-linking, which helps to minimise duplicate counts in stores with wide entrances. The Orbit AI also offers additional features such as shopper demographics (gender) and employee exclusion, without employees requiring special wearables.

With several delivery options available, real-time traffic data can be quickly integrated into existing business intelligence tools or analysed via Sensormatic's own web-based interface, ShopperTrak Analytics. This comprehensive approach ensures that retailers have access to valuable insights in order to optimise their operations.

Retailer Values

- Drive precise conversion rates by excluding staff movements from the total traffic count
- Identify key shopper demographics, such as gender
- Optimise staffing based on historical traffic trends
- Analyse promotional and marketing campaign effectiveness
- Connect multiple sensors to cover wide entrances
- Low bandwidth requirement to simplify deployment
- High-definition video recording and streaming capabilities to assist in certifying counting accuracy
- Various mounting options to fit any store aesthetic
- Easy to install with dynamic network IP configuration option

Product Compatibility

- ShopperTrak Analytics
- Advanced analytics
- Supported reporting
- Third-party business intelligence tools

Product Codes

2.2 mm lens

Mounting height up to 7.6 m (25 ft)

SEVATDVMGBG3

GPU (requires one per site)

AI Re-Identification up to four sensors

SEVATDVM03T2

AI Re-Identification up to eight sensors

SEVATDVM08T6

AI Re-Identification up to sixteen sensors

SEVATDVM16G2

Specifications

Length 16.1 cm (6.4 in)

Width 7.8 cm (3.1 in)

Height..... 5.0 cm (2.0 in)

Weight 375 g (0.8 lbs)

Material

Shell

ABS plastic

Backplane

Heat dissipation aluminum

Colour

white

Mounting Options

Surface or flush mount

Indoor Only

Mounting height

Horizontal or tilt*

* Up to 45°. Tilt may affect counting accuracy

Orbit AI Overhead People Counting Sensor

Communications

Single-channel 10/100 Mb Ethernet

Cable

Category 5e

Power Supply

Power over Ethernet (48 V ~ 52 V)

Environmental

Relative humidity

20%-80% relative humidity

Operating temperature

0°C - 50°C (32°F - 122°F)

Certifications

RoHS compliant

Regulatory Information

EMC

47 CFR Part 15

ICES-003

EN 55032

EN 55035

Safety

EN 62368-1

This technology is GDPR compliant and ensures privacy by not transmitting any video or image data outside the store.

For Re-ID, you cannot mix device types (cameras and overheads).

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).



The Video AI (Artificial Intelligence) camera is an intelligent edge-end image recognition sensor delivering best-in-class analytic capabilities suitable for virtually any retail environment.

The tilt view of the Video AI camera provides broader coverage than traditional overhead traffic counting devices, eliminating the need for additional computing edge devices. This provides a cost-effective solution for retailers looking to maximise their video investment across multiple use cases, while still monitoring customer entries and exits at a store.

Equipped with high-performance deep learning chips that enable advanced Person Re-Identification (Re-ID), this device can identify individuals based on their outward appearance, including colours, clothing combinations, accessories, patterns and logos. It supports use cases such as unique visit counts, employee exclusion, shopper demographics (age and gender) and shopper path analysis.

With several delivery options available, real-time traffic data can be quickly integrated into existing business intelligence tools or analysed via Sensormatic's own web-based interface, ShopperTrak Analytics. This comprehensive approach ensures retailers have access to valuable insights in order to optimise their operations.

Retailer Values

- Drive precise conversion rates by excluding staff, people passing through and delivery personnel from the total traffic count
- Identify key shopper demographics (age and gender)
- Optimise staffing based on historical traffic trends
- Analyse promotional and marketing campaign effectiveness
- Wide field of view minimises the need for additional sensors
- Video recording and streaming capabilities to assist in certifying counting accuracy
- Low bandwidth requirement to simplify deployment
- High-definition video recording and streaming capabilities to assist in certifying counting accuracy
- Various mounting options to fit any store aesthetic
- Easy to install with dynamic network IP configuration option

Product Compatibility

- ShopperTrak Analytics
- Advanced analytics
- Supported reporting
- Third-party business intelligence tools

Product Code

2.5 m - 7 m (8.2 ft - 23 ft)
SEVATDVMGB7M
7 m - 15 m (22.1 ft - 49.3 ft)
SEVATDVMGB15
GPU (one required per site)
AI Re-Identification up to four sensors
SEVATDVM03T2
AI Re-Identification up to eight sensors
SEVATDVM08T6
AI Re-Identification up to sixteen sensors
SEVATDVM16G2

Specifications

Length 13.3 cm (5.2 in)
Width 14.5 cm (5.7 in)
Height 8.9 cm (3.5 in)
Weight 465 g (1.03 lbs)

Material

Aluminium alloy

Colour

white

Mounting Options

Mounting height

2.5 m - 7 m (8.2 ft - 23 ft)

7 m - 15 m (22.1 ft - 49.3 ft)

Mounting angle

Tilt-view mounting is the most commonly used scenario, with a maximum tilt angle of 90°

Communications

Single-channel 10/100 Mb Ethernet

Cable

Category 5e

Power Supply

Power over Ethernet (48 V ~ 52 V)

DC (12 V)

Environmental

Relative humidity

20%-80% relative humidity

Operating temperature

0°C - 50°C (32°F - 122°F)

Certifications

RoHS compliant

Regulatory Information

EMC

47 CFR Part 15

ICES-003

EN 55032

EN 55035

Safety

EN 62368-1

This technology is GDPR compliant and ensures privacy by not transmitting any video or image data outside the store.

For Re-ID, you cannot mix device types (cameras and overheads).

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).

Orbit 8 Overhead People Counting Sensor



The Orbit 8 is Sensormatic's proprietary overhead people counter that delivers best-in-class traffic counting for virtually any retail setting.

Equipped with highly accurate 3D stereo vision technology, this sensor is capable of handling a broad set of indoor conditions such as high-traffic and dynamic lighting environments. Advanced capabilities allow the Orbit 8 to count multiple people simultaneously, ignore individuals meeting a defined height threshold and avoid counting trolleys and prams.

Flexible mounting options allow a single sensor to cover various storefront entrance widths and other areas where data capture is desired. Its sleek and modern design helps the Orbit 8 blend into any store aesthetic. By connecting the device directly into an existing data network, the need for additional integration components is eliminated – helping to reduce implementation costs.

With several delivery options available, real-time traffic data can quickly be integrated into existing business intelligence tools and/or analysed via Sensormatic's own web-based interface, ShopperTrak Analytics.

Retailer Values

- Drive improved conversion rates by identifying ways to enhance operational best practices
- Optimise staffing based on historical traffic trends
- Analyse promotional and marketing campaign effectiveness
- Connect multiple sensors to cover wide entrances
- Easy to install with dynamic network IP configuration option
- Video recording and streaming capabilities to assist in certifying counting accuracy
- Various colour and mounting options to fit unique store aesthetics

Product Compatibility

- ShopperTrak Analytics
- Supported reporting
- Third-party business intelligence tools

Product Codes

H1001-9-21

- Lens focal length: 2.1 mm
- Installation height: 2.4 m - 4.27 m (8 ft - 14 ft)
- Field of view coverage: 3.05 m - 6.25 m (10 ft - 20.5 ft)
- Video recall capability
- Video recording capacity: 30 days (minimum)

H1001-9-29

- Lens focal length: 2.9 mm
- Installation height: 4.57 m - 5.79 m (15 ft - 19 ft)
- Field of view: 4.72 m - 6.25 m (12.5 ft - 17.5 ft)
- Video recall capability
- Video recording capacity: 30 days (minimum)

H1001-9-36

- Lens focal length: 3.6 mm
- Installation height: 6.10 m - 7.32 m (20 ft - 24 ft)
- Field of view: 5.18 m - 6.26 m (17.0 ft - 20.5 ft)
- Video recall capability
- Video recording capacity: 30 days (minimum)

H1001-9-60

- Lens focal length: 6.0 mm
- Installation height: 7.62 m - 10.36 m (25 ft - 34 ft)
- Field of view: 3.66 m - 5.18 m (12.0 ft - 17.0 ft)
- Video recall capability
- Video recording capacity: 30 days (minimum)

Orbit 8 Overhead People Counting Sensor

Product Codes (cont.)

H1001-9-80

Lens focal length: 8.0 mm

Installation height: 10.67 m - 15.24 m
(35 ft - 50 ft)

Field of view: 4.57 m - 6.71 m (15.0 ft
- 22.0 ft)

Video recall capability

Video recording capacity: 30 days
(minimum)

Specifications

Length 8.9 cm (3.5 in)

Width 17.0 cm (6.7 in)

Height..... 5.0 cm (2.0 in)

Weight..... 318 g (11.2 oz)

Material

High-impact plastic

Colour

White and black (others on special
order)

Mounting Options

H1105-8-MB

Mounting Bracket (plastic)

H1105-8-WH

Flush-mount with Faceplate

H1105-8-BK

Flush-mount with Faceplate

Communications

PoE IEEE 802.3af

10/100 Base T

Cable

Cat 5, Cat 5e, Cat 6

Up to 330 ft (100 m) to a single device,
extended with PoE repeaters

Power

48 V PoE 802.3af

Up to 330 ft (100 m) to a single device

Extended with PoE repeaters

Auxiliary Port

USB 2.0, for extensibility

Environmental

Relative humidity

5% - 90%, non-condensing

Operating temperature

0°C - 50°C (32°F - 122°F)

Scene mean ambient lighting

100 lux up to 150,000 lux

Certifications

FCC Part 15

CE EMI and Susceptibility

Low voltage for safety

RoHS compliant

Declarations

EMC

47 CFR Part 15

ICES-003

EN 55032

EN 55024

Safety

UL/EN 62368-1

CSA C22.2.60950-1

EN 62368-1

CE This product complies with
Directive 2011/65/EU (RoHS 2),
2015/863 (RoHS 3) concerning
restriction on the use of certain
hazardous substances in electrical
and electronic equipment (RoHS).

3D Overhead People Counting Sensor



Sensormatic Solutions provides state-of-the-art 3D sensors for people counting and tracking in retail environments.

The PC2 (RE/SE) from Xovis™ uses accurate 3D stereo vision technology designed for retail environments with challenging conditions including shadows, light changes, heat emissions and more. All the 3D image processing is performed within the sensor itself, with no need for additional servers. The viewing angle allows a single sensor to cover wide storefront entrances and large areas.

With the simple XML-based interface, this sensor can be quickly integrated into existing store platforms and conveniently configured and read via the web interface.

The PC2RE and PC2SE take in-store analytics to a new level. In a central location, managers can drill down to review the health and event logs of individual devices in a single store. This allows retailers to easily locate devices that may be offline or experiencing connectivity issues.

Occupancy analytics and insight are enabled when overhead people counting 3D sensors are connected with ShopperTrak Analytics real-time reporting.

Retailer Values

- Get greater accuracy in people counting and dwell time analytics
- Drive improved conversion rates by identifying shopper trends and ways to enhance operations
- Optimise staffing based on traffic trends

- Analyse promotional and marketing campaign effectiveness
- Easy to install with intuitive plug-and-play configuration
- Choose from multiple mounting options
- Validate proper sensor operation through scheduled recordings with scene video
- Connect up to nine sensors for large area coverage
- Meet privacy requirements with four privacy protection levels

Supported Use Cases

- Basic Traffic Counting
- Store Guest Behavior
- Occupancy/Real-Time
- Pass By
- Employee Exclusion
- Gender Statistics
- View Direction
- Group Counting
- Wi-Fi*
- Queue Management

*Feature available for PC2RE only

Product Compatibility

ShopperTrak Analytics

On-Premises Occupancy

Product Codes

SEOXOPC2SE

Xovis PC2SE

Traffic counting and AI-powered

Installation height:

2.20-6.00 m (7.22-19.68 ft)

SEOXOPC2SEL

Xovis PC2SE-L

- Traffic counting and AI-powered
- Sensor with extended coverage area
- Installation height: 2.20-6.00 m (7.22-19.68 ft)

SEOXOP2SEUL

Xovis PC2SE-UL

- Traffic counting and AI-powered
- Sensor with extended coverage area
- Installation height: 2.20-3.50 m (7.22-11.48 ft)

SEOXOPC2RE

Xovis PC2RE

- Traffic counting, built-in WiFi/Bluetooth
- Sensor with extended coverage area
- Installation height: 2.20-6.0 m (7.22-19.68 ft)

SEOXOPC2REL

Xovis PC2RE-L

- Traffic counting, built-in WiFi/Bluetooth
- Sensor with extended coverage area
- Installation height: 2.20-6.0 m (7.22-19.68 ft)

SEOXOPC2REUL

Xovis PC2RE-UL

- Traffic counting, built-in WiFi/Bluetooth
- Sensor with extended coverage area
- Installation height: 2.20-3.50 m (7.22-11.48 ft)

3D Overhead People Counting Sensor

SEOCXOPC2SEO

Xovis PC2SE-O

- Outdoor traffic counting with AI
- Installation height:
2.20-6.00 m (7.22-19.68 ft)

SEOCXOPC2SELO

Xovis PC2SE-L-O

- Outdoor traffic counting with AI
- Sensor with extended coverage area
- Installation height:
2.20-6.00 m (7.22-19.68 ft)

SEOCXOPC2SEULO

Xovis PC2SE-UL-O

- Outdoor traffic counting with AIea
- Installation height:
2.20-3.50 m (7.22-11.48 ft)

Mounting Options

IDSCXOPAPCMPS

MOUNTING PLATE, SMALL

- Mounting kit keeps the position in case of sensor replacement
- Xovis PC2RE and PC2SE
- Includes screws for fixing the sensor to the mounting plate

IDSCXOPAPCPs

PIVOT SMALL ANY ANGLE

- Mounting kit with pivot for tilting the sensor
- Xovis PC2RE and PC2SE
- Includes screws for fixing the sensor to the kit

IDSCXOPAPCPM

PIVOT MEDIUM ANY ANGLE

- Mounting kit with pivot that allows sensor tilting
- Xovis PC2SE-O
- Includes screws for fixing the sensor to the kit

Installation Angle

±15° in x-axis and ±5° in y-axis

Mounting height

2.26 - 7.98 m (7.41-26.18 ft)

Specifications

Length 13.0 cm (5.12 in)

Height..... 3.0 cm (1.18 in)

Weight 250 g (0.55 lb)

Colour

White and Black

Technology

3D Stereo Vision

Installation Angle

±15° in x-axis and ±5° in y-axis

Power Supply

Power over Ethernet, Class 0 (IEEE 802.3af, nominal 48V)

Power Consumption

Maximum 6.0 W, 0.125 A

Modes Supported

99 counting lines per sensor

99 counting/activity zones per sensor

Multi-point line and zones

Required Illumination

Minimum 2 lux

Data Storage

Up to 100 days (depending on the number of counting elements)

Secure Data Delivery

MQTT encapsulated in TLS encryption

Software Upgrade

HTTP

Environmental Constraints

Operating temperature

0°C to 45°C (32°F to 113°F)

Storage temperature

-20°C to 70°C (-4°F to 158°F)

Declarations

North America

EMC 47 CFR, Part 15

ICES-003

UL/CSA/EN 62368-1

Europe

EN 55032

EN 55024

EN 62368-1

Refer to Sensormatic Xovis Quick Start Guide at [Sensormatic.com](https://www.sensormatic.com) for a current list of approved countries.

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).

2510 Overhead People Counting Sensor



Sensormatic Solutions provides state-of-the-art 3D overhead sensors designed for people counting and tracking in any retail environment.

The Brickstream 2510 uses highly accurate 3D stereo vision technology including Wide VGA, High Dynamic Range (HDR) images for handling a broad set of indoor and outdoor conditions including high traffic and dynamic lighting.

Advanced capabilities allow the sensor to count multiple people simultaneously, differentiate between adults and children, employees and customers and avoid counting trolleys and prams, etc., providing robust and highly accurate metrics across a broad set of environments.

Integrated with intelligent software, the Brickstream 2510 records and tags each noteworthy traffic event that passes through the sensor's field of view with a unique ID. This ID can be converted into data, further enabling end users in the ability to examine opportunities along with other operational decisions.

With several delivery options available, real-time traffic data can quickly be analysed via Sensormatic's own web-based interface, ShopperTrak Analytics.

Retailer Values

- Help to drive improved conversion rates by identifying ways to enhance operational best practices
- Optimise staffing based on historical traffic trends
- Analyse promotional and marketing campaign effectiveness
- Choose the desired colour and mounting options to fit unique store aesthetics
- Connect multiple sensors to cover wide entrances
- Filter zones, exclusion lines and pass lines for specific traffic situations
- Employee Exclusion feature available
- Mount the traffic counter at various heights to fit a store's unique space

Product Compatibility

- ShopperTrak Analytics
- Sensormatic Detection Systems
- Third-party business intelligence tools

Product Codes

SEOCBS251025W (3P-BPC-2510-25W)

Brickstream 3D 2510 Gen 2

2.5 mm lens White

SEOCBS251060W (3P-BPC-2510-60W)

Brickstream 3D 2510 Gen 2

6 mm lens White

SEOCBS251025B (3P-BPC-2510-25B)

Brickstream 3D 2510 Gen 2

2.5 mm lens Black

SEOCBS251060B (3P-BPC-2510-60B)

Brickstream 3D 2510 Gen 2

6 mm lens Black

Specifications

Length	59 mm (2.3 in)
Width	162 mm (6.4 in)
Height.....	40.5 mm (1.6 in)
Weight	0.25 kg (8.8 oz)

Lens Options

2.5 mm for mounting height
2.2 - 7 m (7.2 - 22.9 ft)
6.0 mm for mounting height
6 - 14 m (19.7 - 45.9 ft)

2510 Overhead People Counting Sensor

Material

Plastic

Colour

White and Black

Mounting Options

**SESCBS2510HWRP
(IDOCBS2510M25W)**

Metal Recess Plate

**SESCBS2510HWARP
(IDOCBS2510M60W)**

Plastic Angled Recess Plate

**SESCBSOHOD25
(IDOCBSACCODT2510)**

Outdoor Tilting Mount

Power

Power Over Ethernet (POE)

Secure Data Delivery

MQTT encapsulated in TLS encryption

Connectivity

HTTP

Protocols

TCP/IP, DHCP, HTTP Proxy

Synchronisation

SNTP, Daytime Protocol, Proprietary

Data Delivery

HTTP, SMTP, FTP

Secure Data Delivery

HTTPS, FTPS

Software Upgrade

TFTP, HTTP, HTTPS

Wi-Fi/BLE Support

Optional

Environmental Constraints

Operating Temperature

0° to 45°C (32° to 113°F)

Storage temperature

-30°C to 65°C (-22°F to 149°F)

FCC Compliance

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesirable operation.

Certifications

FCC Part 15

CE EMI and Susceptibility

Low voltage for safety

RoHS compliant

Regulatory Compliance

EMC

47 CFR Part 15

2014/30/EU

ICES-003

EN 55032: 2015/AC:2016-07

EN 55024:2010

RoHS: EN 50581:2012

EU Directive 2011/65/EU

including Directive (EU) 2015/863

Safety

UL/EN 62368-1

2001/95/EC

2014/30/EU

CSA C22.2.60950-1

EN 62368-1:2014 + A11:2017

2011/65/EU including 2015/863/EU

CE This product complies with Directive 2011/65/EU (RoHS 2), 2015/863 (RoHS 3) concerning restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS).

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