METOR® 900 M

Rapiscan® systems
An OSI Systems Company

DATASHEET

Rapiscan® Systems Metor 900M is an advanced walk-through metal detector with enhanced capabilities for the detection of metal contraband in all security applications.

EXCEPTIONAL NON-THREAT ITEM DISCRIMINATION

FULLY WEATHERPROOF AS STANDARD

OBJECT CLASSIFICATION TECHNOLOGY

TWO-DIMENSIONAL MULTI-COLOR LOCATION DISPLAY

FULLY RE-DESIGNED

Building on our many years of experience and knowledge the Metor 900M has been completely re-designed from the software and the user interface to the electronics and detection methods, to create our most advanced system yet.

NETWORKING & COMMUNICATION CAPABILITIES

The Metor 900M is fully compatible with the Rapiscan Systems MetorNet 10, an ethernet based Security Management System which means you can manage all your networked Metor walk-through metal detectors from one single location, or remotely to your Internet enabled device. The Metor 900M supports communication with various interfacing protocols including Fast Ethernet, USB, Bluetooth, Wi-Fi, Infrared, RS 232, Digital I/O etc.

INTEGRATED LOCATION DISPLAY & PACING LIGHTS

With 60 localization segments the system can indicate items located left, center and right. With multi-colored LED's and 4 multi-zone display bars programmable as location indication or pacing lights, the Metor 900M helps operators quickly and easily identify the location of any items.

VERSATILE FEATURES AND FUNCTIONALITIES

Metor 900M has the most advanced features for security and easy usability. These automatic functionalities make the installation procedure simple and fast as well as keep the level of the operational security high and reliable even under very demanding conditions.

WEATHERPROOF AS STANDARD

Metor 900M is fully weatherproof as standard. The unit has been tested to comply with IP65 requirements. All materials used in the product are water resistant making it suitable for both indoor and outdoor applications.
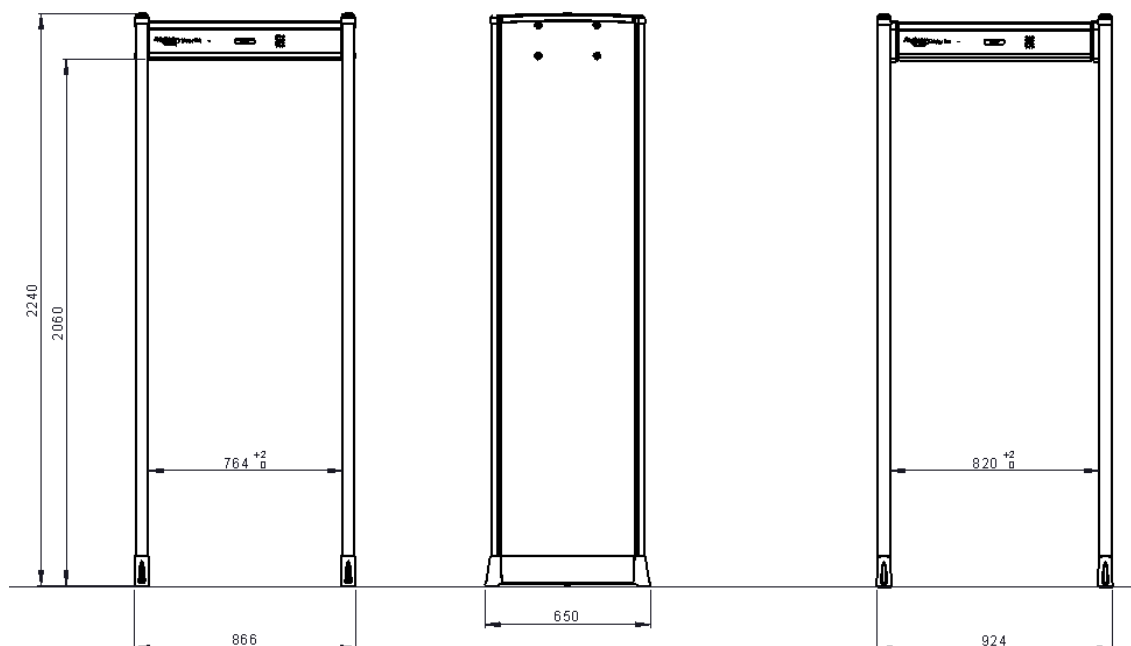
OBJECT CLASSIFICATION

Metor 900M object classification technology allows an advanced capability to identify items more accurately compared to ferrous/non-ferrous information only. With exact electromagnetic characteristics on the material and shape of the item the Metor 900M is able to quickly distinguish between threats and innocuous objects. This will reduce the need for manual pat down and save time and money.

CONTACTLESS NFC SMART CARDS

The Metor 900M comes with intelligent new features such as the smart card support via NFC (Near Field communication). With the smart card an operator can make parameter changes and select security levels quickly and reliably using a simple contactless system.

POWERFUL DETECTION CAPABILITIES

The Metor 900M has been designed to be compliant with the most stringent security standards today. These standards require uncompromised detection of metallic threat items regardless of composition.

PHYSICAL SPECIFICATION

DIMENSIONS (INTERIOR)	W	760 mm (30 in)
	H	2,060 mm (81 in)
DIMENSIONS (EXTERIOR)	W	870 mm (34 in)
	H	2,240 mm (88 in)
	D	650 mm (26 in)
WEIGHT		55kg (121 lbs)

POWER SPECIFICATIONS

| POWER SUPPLY (MAINS) | 90 - 264 VAC / 47 - 63 Hz 12 VDC (optional battery) |
| LINE VOLTAGE (AUTOMATIC ADJUSTMENT) | The Metor 900M has the ability to adjust automatically to variations in line voltage from 90 to 264 VAC or 12 VDC without operator intervention or system performance degradation. |

OPERATING ENVIRONMENT

AMBIENT OPERATING TEMPERATURE	-20°C to 60°C -40°F to 140°F
HUMIDITY	0 - 100%
ENVIRONMENTAL PROTECTION	IP65 (IEC 60529)

OPERATION

ALARMS	Audible/visible alarm. Alphanumeric display and Zone Display. Relay contact for remote alarm (SPDT).
SENSITIVITY	An automatic interactive sensitivity calibration function enables the detector's sensitivity to be automatically selected for a specific test object.
INTERFERENCE SUPPRESSION	Digital filtering by signal processor. Several operating frequencies to suppress local electrical noise.
NETWORK CONNECTIONS	MetorNet Remote Security Monitoring System compatible.
CALIBRATION	Automatic or manually calibration set.

CONFORMITY

| SAFETY STANDARDS | The Metor 900M meets with the magnetic field limits set by international standards for human safety. |
| CE COMPLIANT | Conforms to the applicable international standards for electrical safety and EMC. |

ACCESSORIES

Wheel kit for moving short distances

Dolly kit for moving long distances

Splitter power cord for multiple systems

Battery Backup: Up to 10 hours of runtime

ADA Compliant Crosspiece

Test Pieces

MetorNet 10: A Remote Security Management System that collects the statistics on traffic flow and alarm data of Metor walk-through metal detectors and generates easy-to-read reports.

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Rapiscan® Systems is ISO 9001:2015 Certified

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