

# Metor 300 EMD

## Walk-Through Metal Detector

**Rapiscan**  
systems

An OSI Systems Company

### PEOPLE SCREENING

#### Meets the Latest Civil Aviation Requirements

#### Increased Security Check Process Efficiency

The **Metor 300 EMD** has been designed using the latest technology to meet the needs of civil aviation.

#### INCREASED SECURITY CHECK PROCESS EFFICIENCY

When designing the **Metor 300 EMD** special attention has been paid on speeding up the security check process. Today, with increased security requirements it is essential to use solutions that security people can rely on and operate efficiently without compromising the security.

#### HIGH SECURITY THROUGHPUT

The Metor 300 EMD has an excellent discrimination of shoe shanks, belt buckles and other harmless items, thus reducing the nuisance alarm rates and in turn improving the throughput. This does not compromise the detection of threat objects including knives.



Traffic Lights to optimize passenger flow



#### RELIABLE LOCATION OF THREATS

To assist security personnel in locating threat objects quickly and reliably, the **Metor 300 EMD** has two zone displays.

#### PACING THE PASSENGER FLOW

Passengers tend to pay attention to the upper part of the metal detector when walking through it. Therefore in the Metor 300 EMD there are clearly marked traffic lights on the cross-piece to optimize traffic flow and further speed up throughput.

#### RANDOM ALARM FUNCTION

The Metor 300 EMD has a random alarm function that enables security personnel to randomly pick passengers for an additional security check. This means that no-one passing the security checkpoint can predict if they will under go further security checks. This decreases the threat of a person carrying non-metallic threat items or explosives.

#### FLEXIBLE INSTALLATION

The Metor 300 EMD is easy to install in different locations. Its display unit can be mounted on all four sides of the detector. This improves flexibility in the installation and when operating the unit. The display unit has an alphanumeric display that gives information on how to operate the unit, and also functions as a signal level indicator.

The Metor 300 EMD's high immunity to electromagnetic interference and vibration makes it easy to install the units even in the most demanding locations. Several Metor 300 EMD units can be placed in close proximity to one another, which increases the level of flexibility when planning the installation site.

When needed, the detectors can be mounted to the floor.

#### REMOTE CONTROL UNIT

A bidirectional remote control unit enables copying of the parameters from one unit to other units. This control unit, unique only to Metor products, makes programming several detectors fast and easy. For enhanced security the remote control unit can be locked inside the crosspiece. Control unit's operation is secured with passwords and a code hopping encryption algorithm to prevent unauthorized access.

### Options & Accessories

**BATTERY BACKUP SYSTEM:** For 2-hour runtime when no power is available.

**ADA COMPLIANT CROSSPIECE:** 32 in. crosspieces are available to meet ADA compliance for wheelchair accessibility.

**TEST PIECES MEETING EU STANDARDS:** Designed to assist in calibration and testing.

**METORNET 3 PRO:** Remote Security Management System collects the statistics on traffic flow and alarm data of up to 255 Metor walk-through metal detectors and generates easy-to-read reports. This data can be used e.g. for the resource allocation at the airports and thus saves valuable human resources. Through this optional feature MetorNet 3 Pro, all Metor walk-through metal detectors can be connected to one network and the parameters can be monitored and adjusted from a single PC.

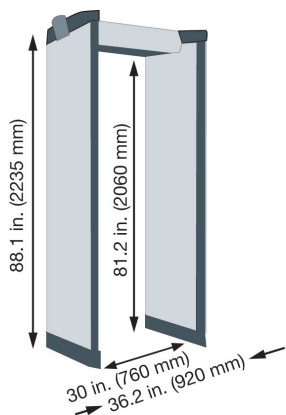


ONE COMPANY - TOTAL SECURITY

#### PEOPLE SCREENING

#### CUSTOMER SUPPORT

Our team is dedicated to providing a prompt, effective and personalized response that exceeds your expectations. With spare parts inventory and skilled technicians all over the world, you can be certain Rapiscan Systems will always be prepared with a solution to address your requirements. By measuring response time, parts delivery and support status, our team embraces a customer focused philosophy to ensure continual improvement in customer support, products and services.



#### CONFORMITY

<b>Safety Standards</b>	The Metor 300 EMD meets with the limits set by international standards for human safety. Safe for wearers of heart pacemakers, pregnant women and magnetic recording materials.
<b>CE Compliant</b>	Yes, conforms to the applicable international standards for electrical safety and EMC.
<b>Other Standards</b>	<b>STAC Certified</b>

#### SPECIFICATIONS

<b>Ambient Operating Temperature</b>	From -10 °C to +55 °C (From +14 °F to +131 °F)
<b>Humidity</b>	0 to 95%, no condensation
<b>Protection</b>	IP 20 (EN 60529)
<b>Power Supply</b>	AC Power: 90-264 VAC/47-63 Hz Battery: 12 VDC Consumption: 100 W (AC), 75 W (DC) Fuse: 2 x T2AL250V Power cord length: 2.5 m (8.2 ft) Automatic adjustment, without manual intervention, for power fluctuations over the voltage range of 90 to 264 VAC.
<b>Alarm</b>	Audible/visible alarm. 2 x 20 character alphanumeric display and Zone Display. Alarm relay contact.
<b>Alarm Time</b>	Adjustable
<b>Sensitivity</b>	100 sensitivity steps in each program. Separate floor level sensitivity adjustment.
<b>Calibration</b>	Automatic or manually set. An automatic sensitivity function selects the appropriate sensitivity for a specific weapon or test object. This eliminates the time consuming trial and error method.
<b>Interference Suppression</b>	Digital filtering. User selectable operating frequencies
<b>Self-Testing Diagnostics</b>	User-friendly diagnostics identify fault condition.
<b>Network Connections</b>	MetorNet Remote Security Monitoring System compatible
<b>Warranty</b>	Two (2) years, parts and labor

#### APPLICATIONS

Airports

9150109-2 ISO 9001:2000 Certified

With continual development of our products Rapiscan Systems reserves the right to amend specifications without notice.

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