METOR 300

High throughput walk-through metal detector for demanding, high security applications.

Enhanced Multi-Zone Principle

Excellent Detection and Immunity
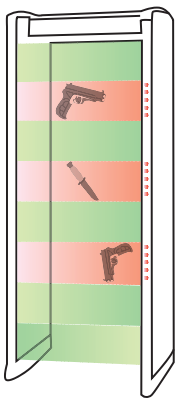
Innovative User-Interface

Appealing Design

The Metor 300 is a second generation true multi-zone metal detector. It offers superior performance for demanding high security applications.

Superior Detection and Discrimination

Utilizing an intelligent 8Z8F architecture, the Metor 300 offers top-class performance in metal detection and unbeatable detection uniformity for metal threat objects regardless of their shape and orientation. This is achieved with an overlapping new multi-zone coil system, which combines the unique true multi-zone features with frequency distribution technology. The operating frequency distribution eliminates electromagnetic interference present at installation environments today. Together with effective digital signal processing it offers excellent interference immunity.

The Metor 300 can detect multiple threat objects independently in different zones. Due to eight independent detection zones, signals from distributed harmless objects do not combine to produce unnecessary alarms. In addition, independent detection zones enable free sensitivity adjustment of each zone.

Maximize Throughput

The Metor 300 is equipped with two integrated zone displays. These identify the level(s) at which detected object(s) are carried. The zone displays enable security personnel to immediately target metal objects and ensure that maximum throughput can be maintained. In addition, the Metor 300 is equipped with traffic lights (green and red) indicating when the passenger can pass through the gate.

Easy to Install, Simple to Operate

The Metor 300 display unit can be mounted on all four sides of the detector. This improves flexibility in installation and when operating the unit. The display unit has a 2x20 character alphanumerical display. It gives information on how to operate the unit, and also functions as a signal level indicator. In addition, the display unit has LED bars showing the zone display indication. This increases the visibility of the zone display information.

All parameters are set through a bi-directional remote control unit that enables the copying of the parameters from one unit to other units. This control unit, unique only to Metor brand products, makes programming several detectors fast and easy. The menu structure of Metor 300 resembles mobile phones' user interface and is therefore familiar to many users. Help texts in the menu further facilitate the operations. The user interface has three user levels: OPERATOR, USER and SUPERUSER. The Metor 300 has a memory bank, which enables storing customer specific parameter settings.

Versatile Detection Programs

The Metor 300 walk-through metal detector includes preset weapon specific detection programs to meet the requirements set by internationally recognized authorities. When developing new detection programs we use electromagnetic responses from real guns and knives, and thereby the programs reflect real-life threats.

The Metor 300 also incorporates an advanced Random Alarm function, which enables discreet search of non-alarming passengers.

Enhanced Security

To guarantee tamperproof and continuous operation, the switches, cables and connectors in the Metor 300 are built-in, and the remote control unit can be locked inside the crosspiece. The remote control unit operation is secured with passwords and a code hopping encryption algorithm to prevent unauthorized access. The ON/OFF switches can be accessed with or without a key.

Statistics

Intelligent traffic and alarms counters calculate the traffic flow and resultant alarms. The counters both increment and decrement, thereby giving a true traffic count.

Markets

Critical Infrastructure

Customs and Border Control

Law Enforcement

Rapiscan® systems

An OSI Systems Company

METOR 300

Conformity

Safety Standards	The Metor 300 meets with the limits set by international standards for human safety. Safe for wearers of heart pacemakers, pregnant women and magnetic recording materials.
$C \epsilon$ Compliant	Yes, conforms to the applicable international standards for electrical safety and EMC.
Other Standards	EU Aviation Compliant

Specifications

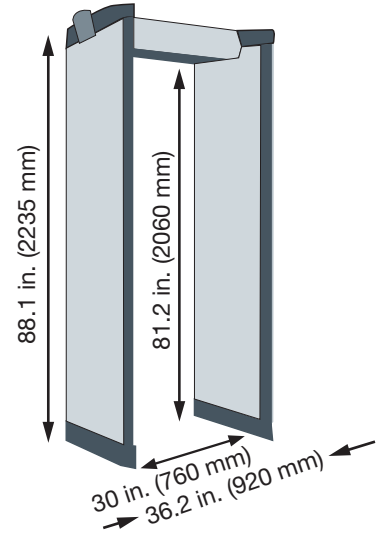|	
Ambient Operating Temperature	From -10 °C to +55 °C (From +14 °F to +131 °F)
Humidity	0 to 95%, no condensation
Protection	IP 41 (EN 60529)
Power Supply	AC Power: 90-264VAC/47-63Hz Battery: 12V DC Consumption: 72W Fuse: T2A 5x20 mm Power cord length: 2.5 m (8.2 ft) Automatic adjustment, without manual intervention, for power fluctuations over the voltage range of 90 to 264V AC.
Alarm	Audible/visible alarm. 2 x 20 character alphanumeric display and Zone Display. Alarm relay contact.
Alarm Time	Adjustable
Sensitivity	100 sensitivity steps in each program.
Zone Sensitivity Adjustment	All eight independent zones are individually adjustable (0 to 255%) with respect to the overall sensitivity level.
Calibration	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.
Interference Suppression	Intelligent 8Z8F architecture. Digital filtering. User selectable operating frequencies
Self-Testing Diagnostics	User-friendly diagnostics identify fault condition.
Network Connections	MetorNet Remote Security Monitoring System compatible
Maintenance	Low maintenance costs due to self-testing diagnostics, easy access and modular electronics.
Warranty	Two (2) years, parts
Shipping Weight & Volume	Total: shipping weight: 94.2 kg (207.7 lbs) shipping volume: 0.51 m³ (18.02 cu ft) Net Weight: 75.8 kg (167.1 lbs) Coils: shipping weight: 73.8 kg (162.7 lbs) shipping volume: .40 m³ (14.13 cu ft) Cross bars + electronics: shipping weight: 20.4 kg(44.9 lbs) shipping volume: 0.11m³ (3.87 cu ft)

Options and Accessories

Battery Backup: 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: Designed to assist in calibration and testing.

MetorNet 3 Pro Web: A Remote Security Management System that collects the statistics on traffic flow and alarm data of up to 255 Metor walk-through metal detectors and generates easy-to-read reports.

88.1 in. (2235 mm)
81.2 in. (2060 mm)
30 in. (760 mm)
36.2 in. (920 mm)

With continual development of our products Rapiscan Systems reserves the right to amend specifications without notice. Product pictures are for general reference. Please note that due to US laws and regulations, not all Rapiscan products are available for sale in all countries without restriction. Please contact your Rapiscan Systems sales representative for more information.

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Rapiscan Systems is ISO 9001:2008 Certified