



## EXCEPTIONAL OPERATIONAL PERFORMANCE AND VERSATILE CAPABILITIES FOR HIGH SECURITY CHECKPOINTS.

COMPLIANCE WITH GLOBAL AVIATION STANDARDS

POWERFUL FEATURES TO SCREEN LARGE CROWDS

2-DIMENSIONAL LOCATION DISPLAY ENABLES 60 SEGMENT ALARM INDICATION

ALARM DISTRIBUTION DATA COLLECTION CAPABILITY

INDEPENDENTLY ADJUSTABLE DETECTION ZONES

AUTOMATED AND ADVANCED FEATURES FOR ENHANCED SECURITY

SUPERIOR IMMUNITY

### MARKETS

- Critical Infrastructure
- Aviation
- Event Security

METOR 6E IS A STATE-OF-THE-ART WALK-THROUGH METAL DETECTOR DEVELOPED FOR THE MOST DEMANDING HIGH PROFILE SECURITY SCREENING APPLICATIONS.

Developed using the latest technology to meet the strictest requirements set by the international civil aviation authorities.

### RADIATION DETECTION

Metor 6E can be integrated with radiation detection capability to combine multi threat detection of both metal and radioactive materials. The configuration enables either gamma or gamma/neutron detection options and is available as a field upgradeable kit.

### ADJUSTABLE DETECTION ZONES

Metor 6E has multiple independently adjustable detection zones to ensure uniform detection throughout the aperture.

The Metor 6E uses a unique multi-channel technology combined with powerful processing capacity. This allows for fast collection of information from multiple metal items passing through simultaneously and accurate threat resolution based on the characteristics of the items.

Metor 6E is capable of a throughput rate of over 50 persons per minute only influenced by individual concept of operations.

### 2-DIMENSIONAL LOCATION FUNCTION

The Metor 6E has an integrated 2-dimensional location display on the exit side of the coil panels. The display indicates the location of the detected metal object(s) by pinpointing either left, right or center position of the height where the item(s) passed through the metal detector. The location display has 20 vertical and 3 horizontal segments resulting in a total resolution of 60 pinpointing segments within the unit's aperture.

The location display has two user selectable modes: 2-dimensional or vertical. In vertical mode the vertical location of the detected item within the unit's aperture is indicated. Timing of the location display is adjustable and the display can be enabled or disabled through the user interface.

### ALARM DISTRIBUTION DATA

Allows for more in-depth analysis of alarm locations and assisting in optimization of unit's passenger flow.

### EXCELLENT INTERFERENCE IMMUNITY

The carefully selected operating frequencies together with effective digital filtering allow excellent immunity to electromagnetic interference. Furthermore the coil design of the Metor 6E is optimized to minimize external electromagnetic interference. Metor 6E meets with the requirements of applicable standards for Electromagnetic Compatibility. Two or more Metor 6E metal detectors can be operated in close proximity. Side-by-side use does not require synchronization cables.

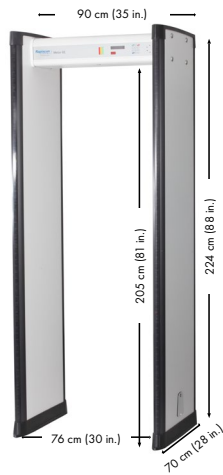
### AUTOMATIC INTERACTIVE SENSITIVITY CALIBRATION

An automatic interactive sensitivity calibration function enables the detector's sensitivity to be automatically selected for a specific test object. The user can simply start the "Auto Sensitivity" function and walk through the unit with each test object one at the time. At the end of the process Metor 6E indicates the correct sensitivity level for detecting all the items that were passed through during this process. Additionally, Metor 6E has an automatic interactive floor sensitivity calibration program to help floor level calibration.

### AUTOMATED FREQUENCY SEARCH

Metor 6E searches automatically suitable operating frequency during start-up or when the feature is activated from the user interface. This feature can be switched On or Off.

# METOR 6E



**Rapiscan**<sup>®</sup>  
systems  
An OSI Systems Company

## STANDARD FEATURES

- Remote Control Unit: A bi-directional remote control unit enables easy programming as well as copying of the parameters from one unit to other units. This control unit, unique only to the Meteor brand of walk-through metal detectors, makes programming several detectors fast and easy. The operation of the control unit is secured with passwords and a code-hopping encryption algorithm to prevent unauthorized access.
- Traffic Lights: to assist in the smooth flow of people through the unit.

## OPTIONS AND ACCESSORIES

- Radiation detection kit for gamma or gamma/neutron detection capability
- Battery Backup: Up to 8 hours of runtime when no power is available.
- ADA Compliant Crosspiece: ADA compliance extension available for retrofitting the unit.
- Test Pieces: To assist in calibration and testing.
- MeteorNet 3 Pro Web: A Remote Security Management System that collects the statistics on traffic flow and alarm data of Meteor walk-through metal detectors and generates easy-to-read reports.
- Additional zone displays: can be added to the entry side to enhance visibility, for traffic flow management and for flexible installation
- Remote Display Set: for convenient remote monitoring and operation of the unit
- Wheels for additional mobility
- Dolly: for easy relocation of the unit

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.

## CONFORMITY

Safety Standards

Meteor 6E has been tested against and complies with applicable magnetic field standards concerning human exposure and pacemaker safety.

**CE** Compliant

Conforms to the applicable international standards for electrical safety and EMC.

Other Standards and Directives

Conforms with global aviation standards



## SPECIFICATIONS

Ambient Operating Temperature	From -20° C to + 60° C (From -4° F to +140° F)
Humidity	0 to 95%, no condensation
Protection	IP 55 (IEC 60529)
Power Supply	Mains: 90-264 VAC/50-60Hz Battery (optional) : 12 VDC Consumption, typical: 31 W (AC), 26 W (DC) The Meteor 6E 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.
Alarm	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.
Calibration	Automatic or manually set.
Interference Suppression	Digital filtering by signal processor. Several operating frequencies to suppress local electrical noise.
Network Connections	MeteorNet Remote Security Monitoring System compatible (Ethernet)
Dimensions	Interior: 76 cm (30 in.) Width x 205 cm (81 in.) Height Exterior: 90 cm (35 in.) Width x 224 cm (88 in.) Height x 70 cm (28 in.) Depth
Weight	65 kg (143 lbs)
Shipping Weight & Volume	Total: shipping weight: 90 kg (198 lbs) shipping volume: .45 m3 (15.9 cu ft) Coils: shipping weight: 72 kg (159 lbs) shipping volume: .35 m3 (12.4 cu ft) Cross piece + electronics: shipping weight: 18 kg (40 lbs) shipping volume: .10 m3 (3.5 cu ft)

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Rapiscan Systems is ISO 9001:2008 Certified

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