METOR® 6E

Rapiscan® systems
An OSI Systems Company

DATASHEET



Metor® 6E is a state-of-the-art walk-through metal detector developed for the most demanding high profile security screening applications.

Exceptional operational performance and versatile capabilities for high security checkpoints. Developed using the latest technology to meet the strictest requirements set by the international civil aviation authorities.

COMPLIANT WITH GLOBAL AVIATION STANDARDS

INDEPENDENTLY ADJUSTABLE DETECTION ZONES

2-DIMENSIONAL LOCATION DISPLAY ENABLES 60 SEGMENT ALARM INDICATION

AUTOMATED AND ADVANCED FEATURES FOR ENHANCED SECURITY

CHINA CAAC CERTIFIED

EU ECAC PASSED

FRANCE STAC CERTIFIED

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. 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 display has 60 pinpointing segments within the unit's aperture.

ALARM DISTRIBUTION DATA

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

AUTOMATIC INTERACTIVE SENSITIVITY CALIBRATION

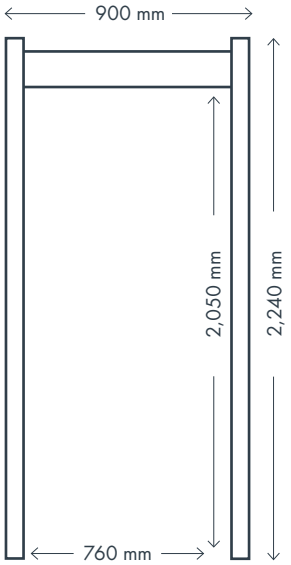
An automatic interactive sensitivity calibration function enables the detector's sensitivity to be automatically selected for a specific test object. Additionally, Metor® 6E has an automatic interactive floor sensitivity calibration program to help floor level calibration.

EXCELLENT INTERFERENCE IMMUNITY

The carefully selected operating frequencies together with effective digital filtering allow excellent immunity to electromagnetic interference. Two or more Metor® 6E metal detectors can be operated in close proximity. Side-by-side use does not require synchronization cables.

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.



Dimensions are in mm

PHYSICAL SPECIFICATION

DIMENSIONS (EXTERIOR)	W 900 mm (35 in) D 700 mm (28 in) H 2,240 mm (88 in)
DIMENSIONS (INTERIOR)	W 760 mm (30 in) H 2,050 mm (81 in)
WEIGHT (NET)	65 Kg (143 lbs)

POWER SPECIFICATIONS

MAINS	90 - 264 VAC / 50 - 60 Hz
BATTERY (OPTIONAL)	12 VDC
CONSUMPTION (TYPICAL)	31 W (AC) 26 W (DC)
LINE VOLTAGE	The Metor® 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

CONFORMITY

SAFETY STANDARDS	Metor® 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

OPERATING ENVIRONMENT

TEMPERATURE	-20°C to 60°C
HUMIDITY	0 to 95% non-condensing
ENVIRONMENTAL PROTECTION	IP55 (IEC 60529)

OPERATIONS

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
CALIBRATION	Automatic or manually set
INTERFERENCE SUPPRESSION	Digital filtering by signal processor. Several operating frequencies to suppress local electrical noise
NETWORK CONNECTIONS	MetorNet Remote Security Monitoring System compatible (Ethernet)

SHIPPING REQUIREMENTS

SHIPPING	W 90 kg (198 lbs) V .45 m^3 (15.9 cu ft)
COILS	W 72 kg (159 lbs) V .35 m^3 (12.4 cu ft)
CROSS PIECE & ELECTRONICS	W 18 kg (40 lbs) V .10 m^3 (3.5 cu ft)

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 Metor® 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

ADA Compliant Crosspiece: ADA compliance extension available for retrofitting the unit

Test Pieces: To assist in calibration and testing

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

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

Battery Back up: Up to 8 hours of runtime when no power is available

Dolly: for easy relocation of the unit

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Rapiscan® Systems is ISO 9001:2015 Certified

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