

# METOR 6E

Exceptional operational performance and versatile capabilities for high security checkpoints.

Compliance with Global Aviation Standards

Powerful Features to Screen Large Crowds

Automated and Advanced Features for Enhanced Security

Superior Immunity



Metor 6E is a state-of-the-art walk-through metal detector developed for the most demanding high profile security screening applications. The unit has been developed using the latest technology to meet the strictest requirements set by the international civil aviation authorities.

Typical Metor 6E applications include passenger screening at airports and other transportation terminals as well as visitor screening in public and private buildings such as ministries, embassies and courthouses.

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.

## 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 (minimum 3 walkthroughs are required). 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.

## Automatic Floor Sensitivity Calibration

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.

### Markets

- Critical Infrastructure
- Customs and Border Control
- Defense
- Law Enforcement
  - Courthouses
- School Security

# METOR 6E

## Conformity

**Safety Standards** The Metor 6E meets with the limits set by international standards for human safety. Safe for wearers of heart pacemakers, pregnant women and magnetic recording materials.

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

**Other Standards and Directives** Conforms with global aviation standards

## Specifications

<b>Ambient Operating Temperature</b>	From -20° C to + 60° C (From -4° F to +140° F)
<b>Humidity</b>	0 to 95%, no condensation
<b>Protection</b>	IP 55 (IEC 60529)
<b>Power Supply</b>	Mains: 90-264 VAC/50-60Hz Battery (optional) : 12 VDC Consumption, typical: 31 W (AC), 26 W (DC) 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.
<b>Alarm</b>	Audible/visible alarm. Alphanumeric display and Zone Display. Relay contact for remote alarm (SPDT)
<b>Sensitivity</b>	An automatic interactive sensitivity calibration function enables the detector's sensitivity to be automatically selected for a specific test object.
<b>Calibration</b>	Automatic or manually set.
<b>Interference Suppression</b>	Digital filtering by signal processor. Several operating frequencies to suppress local electrical noise.
<b>Warranty</b>	Two (2) years, parts
<b>Network Connections</b>	MetorNet Remote Security Monitoring System compatible (Ethernet)
<b>Dimensions</b>	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
<b>Weight</b>	65 kg (143 lbs)
<b>Shipping Weight &amp; Volume</b>	Total: shipping weight: 90 kg (198 lbs) shipping volume: .45 m <sup>3</sup> (15.9 cu ft) Coils: shipping weight: 72 kg (159 lbs) shipping volume: .35 m <sup>3</sup> (12.4 cu ft) Cross piece + electronics: shipping weight: 18 kg (40 lbs) shipping volume: .10 m <sup>3</sup> (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

**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.

**MetorNet 3 Pro Web:** 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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