

*Multi-zone
Walk-through Metal Detector*

Metorex Security Products
METOR 200



Where security matters

Multi-zone Walk-through Metal Detector METOR® 200

Unique multi-zone principle

METOR's true multi-zone design guarantees first-rate performance. Each detection zone functions as an independent detector and automatically increases discrimination by reducing the cumulative signal effect caused by distributed harmless objects.

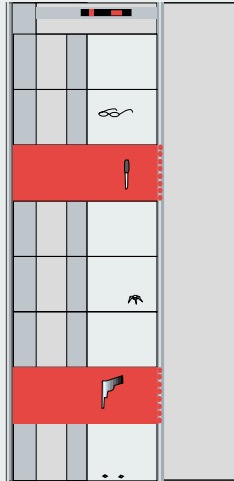
Eight independent detection zones

Multiple threat objects are independently detected in different zones

Signals from harmless distributed objects do not combine to produce unnecessary alarms

Overlapping zones ensure uniform detection

The zone display identifies the level where an alarm(s) occur



The main benefits of the METOR multi-zone principle

- Excellent discrimination
- Reliable detection of threat items regardless of object(s) orientation
- High traffic throughput
- Each zone can be adjusted independently to meet your security needs
- Optimum immunity to environmental interference and external stationary metal

Uniform Detection

The sensitivity of the entire detector and individual zones can be easily adjusted. This flexibility allows METOR to operate in difficult environments. It performs optimally even in locations where external stationary metal impairs the detection uniformity of conventional detectors. For example, when a METOR must be used in proximity to large metal objects, its multi-zone structure enables detection uniformity to be easily restored. If the metal detector is located above a metal floor, the sensitivity can be adjusted to give uniform performance.

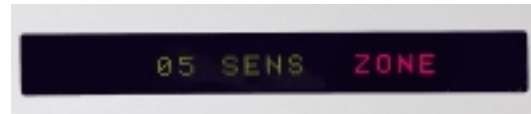
Security

The switches, cables and connectors are built in, guaranteeing tamperproof and continuous operation. The remote control unit can be locked inside the crosspiece or kept in the possession of authorized persons only, preventing anyone else from modifying the detector's parameters. The remote control unit utilizes passwords to prevent unauthorized access to the detector's parameters.

User-friendly interface



All parameters are set through a remote control unit. An alpha-numeric display shows the results of parameter adjustments, traffic counts and self-testing diagnostics. The remote control unit can be programmed to operate one or several detectors.



The alphanumeric display shows the results of self-testing diagnostics, traffic counts and user-friendly explicit text on parameter adjustments.

Statistics

Intelligent traffic and alarm counters calculate the traffic flow and resultant alarms. The counters both increment and decrement, thereby giving a true traffic count. The unit can also be used bi-directionally. The optional METORNET Remote Security Monitoring System makes it easy to collect statistics while controlling and monitoring multiple METOR walk-through metal detectors.



On the left, the green figure indicates the number of passengers. On the right, the red figure shows the number of alarms.

Applications

- Public Buildings
- Prisons, visitor screening
- Power plants
- Loss prevention
- Office buildings
- Hospitals
- Stadiums
- Hotels, restaurants, casinos, discotheques
- Airports, seaports

The unit can be easily moved to different locations.



Technical description

Software

Programming includes preset detection programs as specified by internationally recognized authorities, and various metal specific programs. Operation is easy to upgrade when future software versions are introduced.

Easy to install

METOR's integrated construction means that it can be installed or dismantled in 10 to 15 minutes by one person. An easy-to-follow manual is supplied with the detector.

Zone display



The zone display identifies the level(s) at which detected object(s) are carried. This enables security personnel to immediately target metal objects and ensures that maximum throughput can be maintained in high traffic locations.

Low maintenance costs



METOR's integrated construction provides a mean time between failures of over ten years. Self-testing diagnostics, easy access and modular electronics simplify maintenance tasks.

Conformity

The METOR 200 conforms with the applicable EU directives. It meets the requirements of the following standards:

Safety standards: EN 60950 (Electrical safety).

EMC standards: EN 50081-1 (Emission)
EN 50082-1 (Immunity)

Other standards: NILECJ-0601, security levels 1-5 (covers the design and performance of walk-through metal detectors), FAA approved

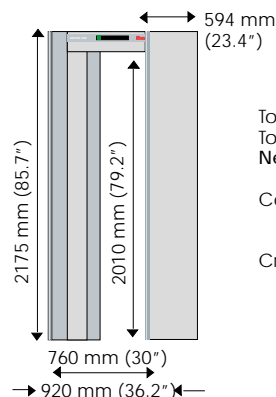
Safe for wearers of heart pacemakers, pregnant women and magnetic recording materials.

Specifications

Ambient operating temperature:	From -10 °C to +55 °C (From +14 °F to +131 °F)
Humidity:	Up to 95%, no condensation
Protection:	IP 20 (EN 60529)
Power supply:	AC Power: 90-264VAC/45-65Hz Battery: 24-35V DC Consumption: 45W Fuse: T1A 5x20 mm Power cord included Automatic adjustment, without manual intervention, for power fluctuations over the voltage range of 90 to 264V AC.
Alarm:	Audible/visible alarm. Alphanumeric display and Zone Display. Relay contact for remote alarm (SPDT)
Sensitivity:	100 sensitivity steps per program
Zone sensitivity adjustment:	All eight 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.
Reset time:	Adjustable
Interference suppression:	Digital filtering by signal processor and user selectable frequency selection
Advanced self-testing diagnostics:	User-friendly diagnostics identify fault condition
Network connections:	METORNET® security monitoring system compatible (RS 422)
Warranty:	Two (2) years, parts and labor

We reserve the right to make changes without prior notice

Dimensions, weight and volume



Total shipping weight : 70.5 kg (155.5 lbs)
Total shipping volume: 0.48 m³ (16.9 cu ft)
Net weight: 50.5 kg (111.4 lbs)

Coils:
shipping weight 50.5 kg (111.4 lbs)
shipping volume 0.35 m³ (12.4 cu ft)
Cross piece + electronics:
shipping weight 20.0 kg (44.1 lbs)
shipping volume 0.13 m³ (4.5 cu ft)

Accessories

- Remote zone display
- Protective boots
- Carrying bags
- Wheels
- Battery back-up
- Additional zone display for bi-directional operation
- METORNET Remote Security Monitoring System



Carrying bags



Wheels make it easy to move METOR 200 to different locations.



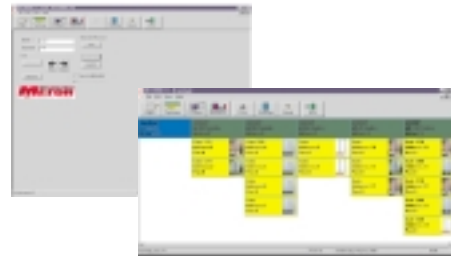
Battery back-up



Remote zone display unit can operate at a distance of up to 65 m (213 ft) from the detector. It shows the position of detected items and generates an audible alarm.



ABS-plastic boot protects coil panels from floor washing liquids and scuffmarks. The boot is easy to install and change. It will have no effect on the usability of the floor-level zone display. Different colors are available upon request.



METORNET collects the statistics on traffic flows and alarm data of up to 99 METOR walk-through metal detectors and generates easy-to-read reports. It allows detector security levels to be changed from a central PC.

Options

- Special colors
- Decorative laminates
- Real wood finish



METOR 200 made of beechwood

ISO 9001 Certified Company

Metorex Security Products Oy
Nihtisillankuja 5, P.O. Box 174,
FIN-02631 Espoo, Finland
Tel. +358 9 32941500
Fax +358 9 32941302
e-mail: security@metor.net

Metorex Security Products, Inc
250 Phillips Blvd, Ewing, NJ 08618, U.S.A.
Toll Free: 1-866-METOREX
Tel. +1 609 406 9000
Fax +1 609 530 0842
e-mail: sales@metorexsecurity.com

In Singapore:
240 MacPherson Road
#06-04 Pines Industrial Bldg,
SINGAPORE 348574
Tel +65-743 9913, Fax +65-743 9915
e-mail: nimengr@singnet.com.sg