Multi-zone
Walk-through Metal Detector

Where security matters
## 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.

<table>
<thead>
<tr>
<th>Eight independent detection zones</th>
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<tbody>
<tr>
<td>Multiple threat objects are independently detected in different zones</td>
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<tr>
<td>Signals from harmless distributed objects do not combine to produce unnecessary alarms</td>
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<tr>
<td>Overlapping zones ensure uniform detection</td>
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<tr>
<td>The zone display identifies the level where an alarm(s) occur</td>
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</table>

### 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

## 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.

## 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.

## 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.

## 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**

**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
- **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

**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)
- **Cables:**
  - 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)

**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.

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METOR® 200

Accessories

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

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.

Battery back-up

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.

Carrying bags

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

Options

- Special colors
- Decorative laminates
- Real wood finish

METOR 200 made of beechwood

ISO 9001 Certified Company