

PMD2

VERY HIGH PERFORMANCE MULTI-ZONE METAL DETECTOR



AVAILABLE IN PANEL
OR COLUMN VERSION



Uniform Detection Field

Very High Discrimination

Highly Visible Double* Display provides Single or Multiple Location
of Weapons in Transit

Fast Programming through an Exclusive Chip Card System

High Immunity to External Interference

Local or Remote Programming with Networking Capabilities

* Single in column models

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PMD2

VERY HIGH PERFORMANCE MULTI-ZONE METAL DETECTOR



PMD2, acronym for *Programmable Metal Detector*, is the most advanced CEIA application with an international patent of its own. It generates an electromagnetic scanning field for the detection of metallic weapons inside a monitored passage. Thanks to this technology, the PMD2 Metal Detector allows weapons to be accurately located on people in transit, considerably speeding up search operations.

A "height on person" display actually indicates, by means of illuminated LED's, the position of the weapon on the person. The location zones are not fixed, as in the case of metal detectors with multiple receiver-transmitter coils, but are variable and continuous so as to achieve optimum resolution.

PMD2 can be supplied, on request, with two emergency batteries that automatically come into operation in the event of a power failure.

PMD2 is available in panel (PMD2/PTZ) or column (PMD2/ENZ) version. Also an outdoor column version, PMD2/EWZ, is offered with an IP65 degree of protection.

A photocell transit counter is available as an option. This will allow for statistical data to be accumulated on the persons passing through the detector. The detector's control unit is incorporated into the structure. Access to programming is protected both by a mechanical lock and by two alphanumeric passwords. The PMD2 is manufactured using the most advanced electronics technology, conforming to ISO 9001 Quality Control Standard procedures.



CHIP CARD SYSTEM:
AUTOMATIC CALIBRATION
OF SECURITY STANDARDS

TECHNICAL DATA

MAIN FEATURES

- Immediate selection of International Security Standards.
- Detection of magnetic, non-magnetic and mixed alloy metal weapons.
- All functions programmable and controlled by a microprocessor.
- Programming: via built-in keypad and display or RS232 serial connection to Remote Control Unit (RCU), a PC or a computer network.
- Programming access protected by both a mechanical lock and two alphanumeric passwords.
- High speed of detection: up to 15 meters per second (45 ft/s).
- Very high immunity to electromagnetic and mechanical interference.
- Automatic synchronization between two or more metal detectors, at a distance of up to 5 cm, from each other, without using cables.
- Professional high integration and high reliability electronics.
- Control unit incorporated into the detector.
- No initial or periodic calibration.
- Easy maintenance: modular control unit for a rapid replacement.
- Colour: light grey RAL 7040.

INSTALLATION DATA

- Power Supply: 115 / 230 VAC, ±15%, 50 ÷ 60 Hz, 40 VA max.
- External interface: RS-232C for connection to a Remote Control Unit (RCU), a terminal, a computer, an external modem or other CEIA Metal Detectors
- Operating temperature:
 - IP20: from -10°C to +65°C;
 - IP65: from -20°C to +70°C
- Relative humidity: from 0 to 95% (without condensation).

CERTIFICATION AND CONFORMITY

- Complies with Regulations relating to pacemakers, defibrillators or other vital support systems, pregnant women and magnetic storage media (floppy disks, audio cassettes, video cassettes and similar).
- Conforms to the current International Security Standards for Walk-Through Metal Detectors.
- Complies with EC Regulations and International Standards relating to Electrical Safety and Electromagnetic Compatibility (EMC).

ALARMS

- **Visible signals**
 - Multi-zone display bar for "height on person" localization.
 - High intensity display.
 - Green and red metering signals proportional to the mass of the object detected.
- **Audible signals**
 - High acoustic intensity alarm signal.
 - Volume and tone of alarm signal can be programmed.

ACCESSORIES / OPTIONS

- Photocell transit counter and automatic alarm rate calculation.
- Remote Control Unit (CEIA RCU) with 20 m (65.6 ft) of connection cable.
- Outdoor Version (IP65): PMD2/EWZ
- Test samples.
- External Main Battery Supply Unit MBSU-1, including emergency batteries and automatic charger, providing about 6 hours of independent operation.
- MD Scope: software for oscilloscope simulation and terminal operation on CEIA Metal Detectors.
- Ethernet Network Controller for CEIA Metal Detectors.



UNDER THE ALARM THRESHOLD

- * Small metal mass
- *** Medium metal mass

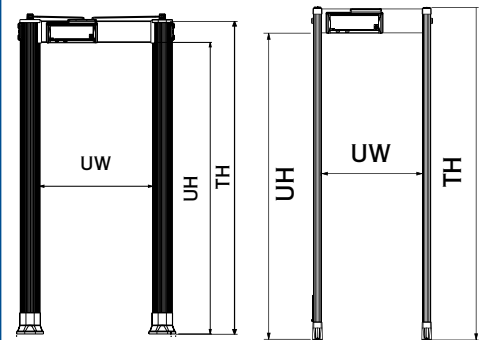
OVER THE ALARM THRESHOLD

- ** Medium metal mass
- **** Large metal mass

GREEN AND RED METERING SIGNALS
PROPORTIONAL TO THE METAL
MASS DETECTED

COLUMN MODEL

PANEL MODEL



	PMD2/ENZ PMD2/EWZ	PMD2/PTZ
UW	720/820 mm	720/820 mm
UH	2040 mm	2050 mm
TH	2225 mm	2235 mm

OVERALL DIMENSIONS

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