

PMD2

Very high performance Multi-zone Metal Detector

FEATURE HIGHLIGHTS

- › 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



AVAILABLE IN PANEL
OR COLUMN VERSION



Advanced Technology for Enhanced Weapons Location

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. ▶

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PMD2

Very high performance Multi-zone Metal Detector



The PMD2 Metal Detector is recommended for use in all high security applications where the maximum degree of protection is required, combined with a substantial flow of people and the minimum number of alarms due to metal personal effects.

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

The PMD2 is manufactured using the most advanced electronics technology, conforming to ISO 9001 Quality Control Standard procedures.

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

via built-in keypad and display or RS-232 serial connection to Remote Control Unit (RCU2), a PC or a computer network

PROGRAMMING programming access protected by both a mechanical lock and two alphanumeric passwords

TRANSIT FLOW: extremely quick reset time for a rapid flow-rate; detection speed: up to 15 m/s (45 ft/s)

Very high immunity to electromagnetic and mechanical interference

MULTIPLE INSTALLATIONS: automatic synchronisation between two or more metal detectors with a reciprocal distance of down to 5 cm (2") without the use of 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 (RCU2), a terminal, a computer, an external modem or other CEIA Metal Detectors

OPERATING TEMPERATURE IP20: -10°C (14°F) to +65°C (149°F)

IP65: -20°C (-4°F) to +70°C (158°F)

STORAGE TEMPERATURE: -35°C (-31°F) to +70°C (158 °F)

RELATIVE HUMIDITY: 0 to 95% (without condensation)

ALARM MODES

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



Chip Card System: automatic calibration of Security Standards

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)

ACCESSORIES

External Main Battery Supply Unit **MBSU-1**, including emergency batteries and automatic charger. The device is microcomputer controlled, extremely easy to use, and provides the operator with a real-time indication of the battery status

PHOTOCELL TRANSIT COUNTER and automatic alarm rate calculation

RCU2: the console provides complete remote control of CEIA Walk-Through Metal Detector functions; connection to CEIA WTMDs via serial interface through maximum connecting cable length of 100 m

METAL DETECTOR DIVESTING TABLE

FASTENING PLATES (only for column models)

OUTDOOR VERSION (IP65): PMD2/EWZ

SOFTWARE PROGRAMS MD SCOPE: software for oscilloscope simulation and terminal operation on CEIA Metal Detectors

MD-LOGGER LITE: statistical reports on the passenger flow through CEIA Metal Detector gates

TRANSPORT CASE for CEIA Elliptic Metal Detector Gate

ETHERNET NETWORK CONTROLLER for CEIA WTMDs

TEST SAMPLES

UNDER THE ALARM THRESHOLD

* Small metal mass
*** Medium metal mass

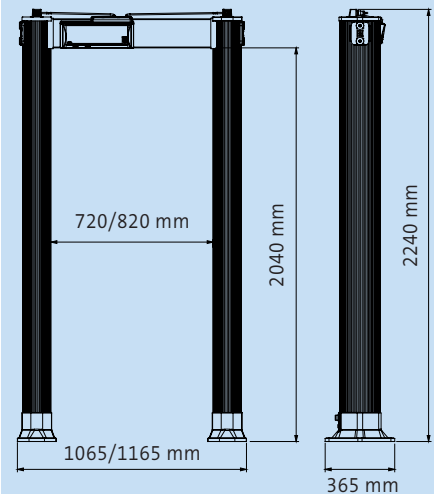
OVER THE ALARM THRESHOLD

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

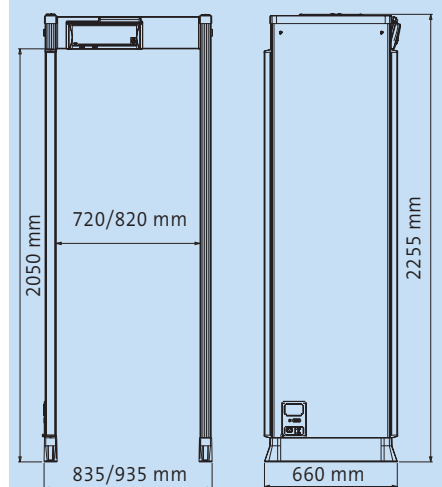
Green and Red Metering Signals Proportional to the Metal Mass Detected

DIMENSIONS

COLUMN MODEL (PMD2/ENZ - PMD2/EWZ)



PANEL MODEL (PMD2/PTZ)



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