

PMD2

CEIA An ISO 9001 Company

GSA Contract Holder

VERY HIGH PERFORMANCE MULTI-ZONE METAL DETECTOR

- **Very High Threat Detection Uniformity** over the entire transit area
- Very High Tolerance to personal metal items (**Low Nuisance Alarm Rate**)
- **Highly Visible Displays*** - Single or Multiple Location of Weapons in Transit via vertical illuminated display
- **Exceptional Immunity** to Environmental Interference
- **Local or Remote Programming** with networking capabilities

* Single in column models on security side of detector



EXCLUSIVE CHIP CARD SYSTEM - FOR IMMEDIATE PROGRAMMING



AVAILABLE IN PANEL OR COLUMN VERSION



FOR FIXED AND PORTABLE USE

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. ▶



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Due to this technology, the PMD2 Metal Detector accurately pinpoints location of weapons on individuals during transit resulting in accelerated search process.

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

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 RS-232 serial connection to Remote Control Unit (RCU2), a PC or a computer network

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 45 ft/s (15 m/s)

Exceptional immunity to electromagnetic and mechanical interference

MULTIPLE INSTALLATIONS: automatic synchronisation between two or more metal detectors with a reciprocal distance of down to 2" (5 cm) 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

Color: 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

CHOICE OF TOP OR BOTTOM POWER CONNECTION

PROTECTION DEGREE Indoor Model: IP20 - IEC529

Outdoor Model: IP65 - IEC529

OPERATING TEMPERATURE: -4°F to 158°F

STORAGE TEMPERATURE: -31°F to 158°F

RELATIVE HUMIDITY: 0 to 95% (without condensation)

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 personal metal items.

The PMD2 is available in panel (PMD2/PTZ) or column (PMD2/ENZ) version. An outdoor column version, PMD2/EWZ, is offered with an IP65 degree of protection. The PMD2 is manufactured using the most advanced electronics technology, conforming to ISO 9001 Quality Control Standard procedures.

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

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

MBSU-1 Unit is a portable device designed to supply CEIA Metal Detectors in outdoor applications or in situations where mains power supply is unavailable. The MBSU-1 is fitted with incorporated batteries and charger. The device is microcomputer controlled and extremely easy to use

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 328 ft (100 m)

METAL DETECTOR DIVESTING TABLE: this article acts both as a spacer between the X-ray unit and the Metal Detector and as a temporary depository for metal personal effects

STABILIZING PLATES (only for column models)

MD SCOPE: software for oscilloscope simulation and terminal operation on CEIA MDs

TRANSPORT CASE FOR CEIA ELLIPTIC METAL DETECTOR GATE

TEST SAMPLES

GREEN AND RED METERING SIGNALS PROPORTIONAL TO THE METAL MASS DETECTED

UNDER THE ALARM THRESHOLD

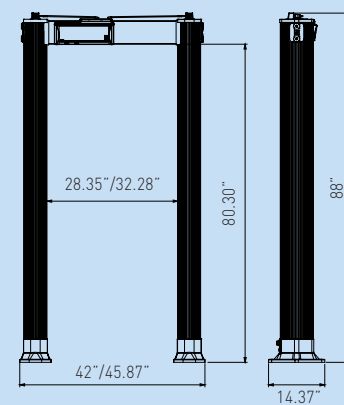
Small metal mass
Medium metal mass

OVER THE ALARM THRESHOLD

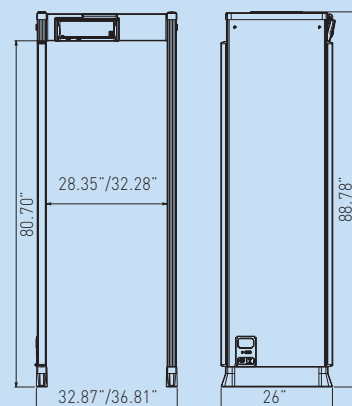
Medium metal mass
Large metal mass

DIMENSIONS

COLUMN MODEL (PMD2/ENZ - PMD2/EWZ)



PANEL MODEL (PMD2/PTZ)



CEIA USA PROVIDES FULL OPERATIONAL AND TECHNICAL TRAINING SUPPORT; ON SITE OR AT HEADQUARTERS BY CEIA USA CERTIFIED PERSONNEL



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CEIA USA reserves the right to make changes, at any moment and without notice, to the models (including programming), their accessories and options, to the prices and conditions of sale

Call 888-532-CEIA