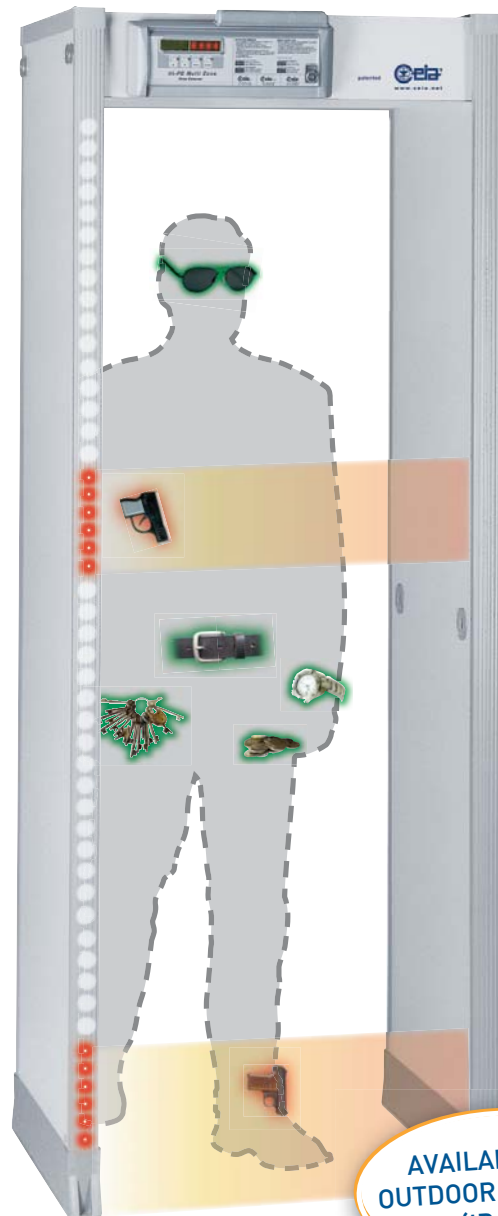


HI-PE Multi-Zone

HIGH PERFORMANCE WALK-THROUGH METAL DETECTOR

- **High level of Detection Uniformity**
- **High Immunity** to external interferences
- **Highly visible double Display** provides single or multiple location of weapons in transit
- **Very high speed of Detection**
- **High Reliability**
- **Local or Remote Programming** with networking capabilities



AVAILABLE IN
OUTDOOR VERSION
(IP65)



HIGH DISCRIMINATION AND FLOW RATE

The HI-PE Multi-Zone is a high performance walk-through Metal Detector which exceeds all International Security Standards. A "height on person" display actually indicates, by means of illuminated LED's, the position of the weapon on the person.

Three operating modes are available: **Floating** (standard), 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; **8-Zones** and **4-Zones**, the alarm threshold can be adjusted individually for each zone. ▶

HI-PE Multi-Zone WALK-THROUGH METAL DETECTOR

The HI-PE Multi-Zone allows a **high level of discrimination** between significant metal masses, such as the weapons which are to be detected, and personal metal items.

Extremely high levels of immunity to external interference, making it easy to use even when external electrical noise is encountered. **The sensitivity is independent of the transit speed.**

The detector's control unit is incorpo-

rated into the structure. Access to programming is protected both by a mechanical lock and by two alphanumeric passwords. The panels are washable and are equipped with shock absorbent edges to protect them against damages.

The HI-PE Multi-Zone 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

HIGH DETECTION SPEED: up to 15 m/s (45 ft/s)

EXCEPTIONAL IMMUNITY to electromagnetic and mechanical interference

PROGRAMMABLE OPERATION controlled by microprocessor

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

PROGRAMMING ACCESS protected by both a mechanical lock and two alphanumeric passwords

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

HIGH-INTEGRATION PROFESSIONAL ELECTRONICS and maximum reliability

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, $\pm 15\%$, 45 + 65 Hz, 30 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

PROTECTION DEGREE Indoor Model: IP20 - IEC529

Outdoor Model: IP65 - IEC529

OPERATING TEMPERATURE: -20°C to +70°C

STORAGE TEMPERATURE: -35°C to +70°C

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

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 / OPTIONS

EMERGENCY BATTERIES

RCU2: the console provides complete remote control of CEIA Walk-Through Metal Detector functions



MDNC-1: Ethernet network interface for CEIA Metal Detectors



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



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

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



APSIM: connection module with Anti-tamper on/off switch and Ethernet interface



PHOTOCELL TRANSIT COUNTER and automatic alarm rate calculation



OUTDOOR VERSION, waterproof degree IP65



UNDER THE ALARM THRESHOLD

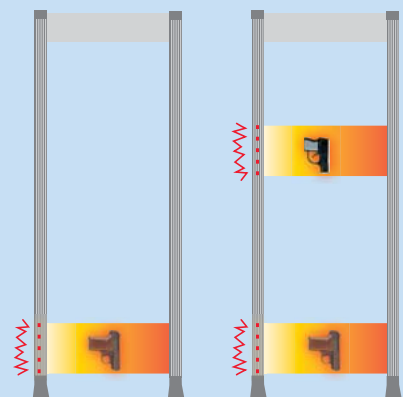
Small metal mass
 Medium metal mass

OVER THE ALARM THRESHOLD

Medium metal mass
 Large metal mass

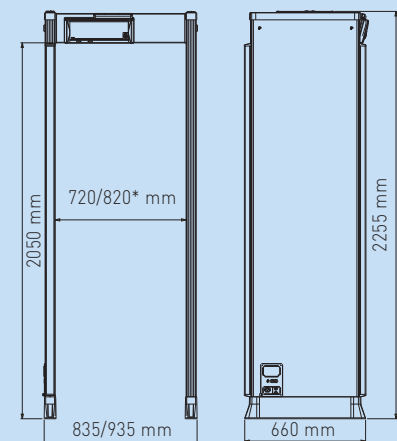
GREEN AND RED METERING SIGNALS PROPORTIONAL TO THE METAL MASS DETECTED

VISUAL ALARM ZONE INDICATION



SINGLE & MULTIPLE LOCATION OF THE METAL MASS DETECTED

DIMENSIONS



* AVAILABLE ON REQUEST



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