

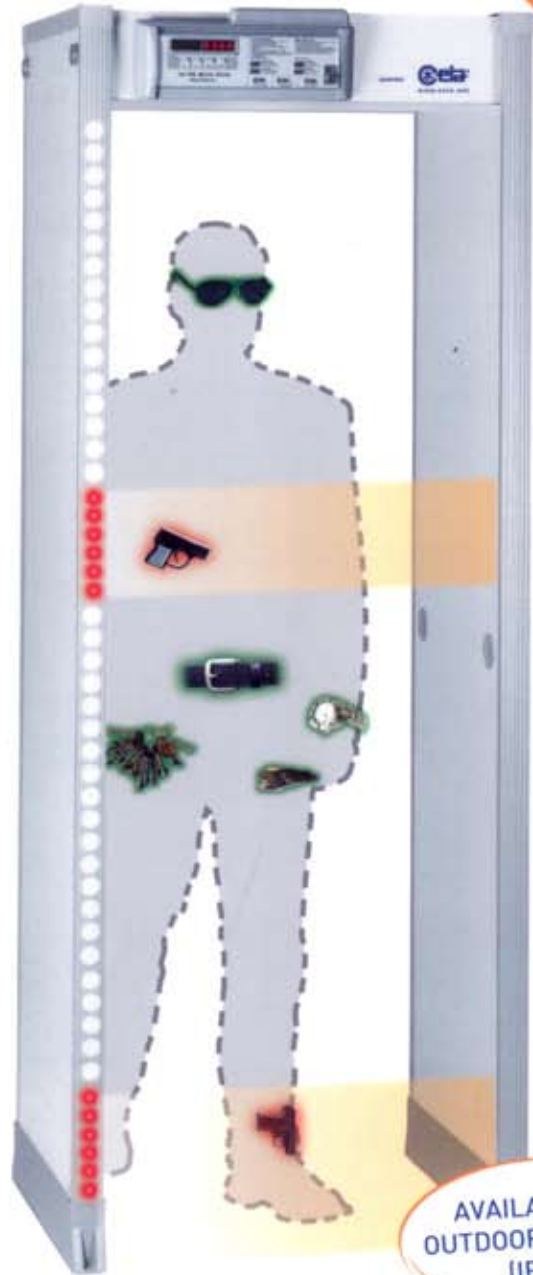
# HI-PE Multi-Zone

ceia An  
ISO 9001 Company

## HIGH PERFORMANCE WALK-THROUGH METAL DETECTOR

### 20x2 Double Display

- 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 (20-Zones), 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. ▶



[www.ceia.net](http://www.ceia.net)



# 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 incorporated 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** Indoor Model: IP55

**DEGREE** Outdoor Model: IP65

**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



**MDC-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

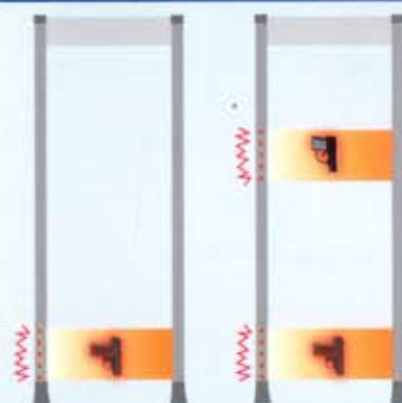
Small metal mass  
Medium metal mass

## OVER THE ALARM THRESHOLD

Medium metal mass  
Large metal mass

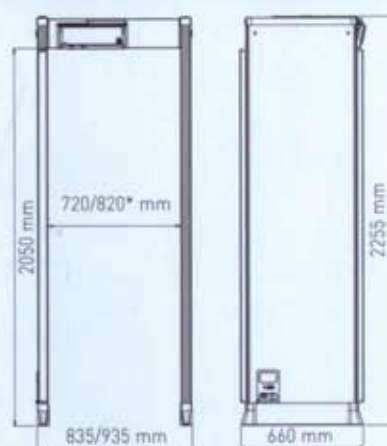
GREEN AND RED METERING SIGNALS PROPORTIONAL TO THE METAL MASS DETECTED

## 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



Zona Industriale 54/G, 52041 Vicinaggio - Arezzo (ITALY)

Tel.: +39 0575 4181 Fax: +39 0575 418298 E-mail: infosecurity@ceia-spa.com

[www.ceia.net](http://www.ceia.net)

CEIA 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