

# HI-PE Multi-Zone

## WALK-THROUGH METAL DETECTOR



AVAILABLE IN OUTDOOR  
VERSION (IP65)

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



*High Level of Detection Uniformity*

*High Discrimination*

*Highly Visible Double Display provides single or multiple location of metal objects in transit*

*Very High Speed of Detection*

*High Immunity to External Interferences*

*High Reliability*

*Local or Remote Programming with Networking Capabilities*

# HI-PE Multi-Zone WALK-THROUGH METAL DETECTOR



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. The panels are washable and they are equipped with shock absorbent edges to protect them against damages.

HI-PE Multi Zone can be supplied, on request, with two emergency batteries that automatically come into operation in the event of a power failure. 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 HI-PE Multi Zone is manufactured using **the most advanced electronics technology, conforming to ISO 9001 Quality Control Standard procedures.**

## TECHNICAL DATA



### MAIN FEATURES

- Immediate selection of International Security Standards.
- Detection of magnetic, non-magnetic and mixed alloys 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 by 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, +10/-15%, 50 ÷ 60 Hz, 30 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

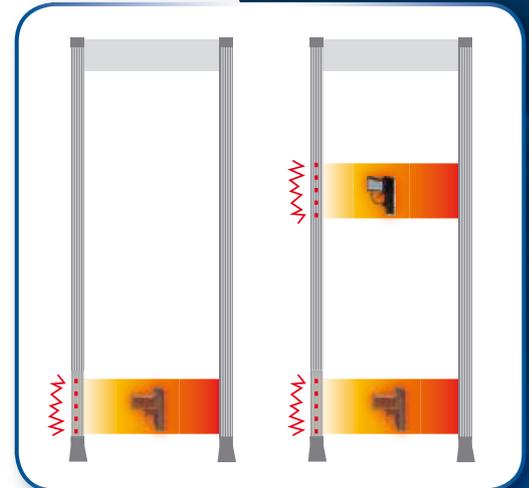
- Complies with Regulations relating to pacemakers, defibrillators or other vital support systems, pregnant women and magnetic storage media (floppy disks, audio cassettes, video cassettes and similar).
- Complies with the current International Security Standards for Walk-Through Metal Detectors.
- Complies 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).
- Test samples.
- External Main Battery Supply Unit MBSU-1, including emergency batteries and automatic charger, providing about 8 hours of independent operation.
- MD Scope: software for oscilloscope simulation and terminal operation on CEIA Metal Detectors.
- Ethernet Network Controller for CEIA Metal Detectors.



SINGLE & MULTIPLE LOCATION OF THE METAL MASS DETECTED

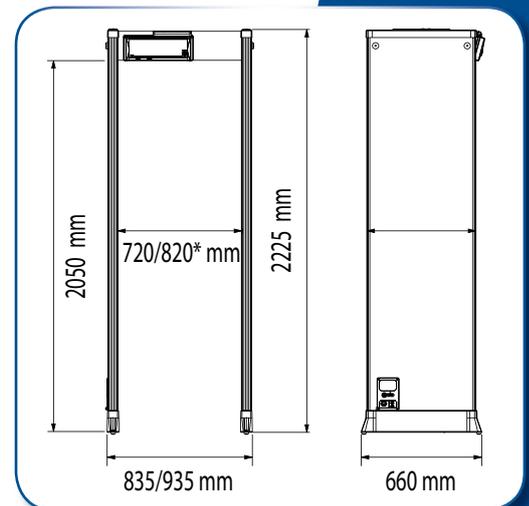
### UNDER THE ALARM THRESHOLD

- 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



\* AVAILABLE ON REQUEST

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



Zona Industriale 54/G, 52040 Vicinaggio - Arezzo (ITALY)  
Tel.: +39 0575 4181 Fax: +39 0575 418298 E-mail: infosecurity@ceia-spa.com