

HI-PE Multi Zone

High Performance Metal Detector



Feature Highlights

- **Complete Security in Detection**
- **Highly Visible Double Display provides Single or Multiple Location of Weapons in Transit**
- **Very High Speed of Detection**
- **High Immunity to External Interferences**
- **Direct Selection of the International Security Standards**
- **High Reliability**
- **Local or Remote Programming with Networking Capabilities**

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. 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.

The panels are washable and will not lose their shape even in humid conditions; they are also equipped with shock absorbent edges to protect it 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 mains failure. A Photocell transit count, in option, allow counting of the number of people passing through the metal detector.

Locating the weapons detected

In case of detection of a metallic mass, the HI-PE Multi Zone not only provides an acoustical and optical alarm, it also gives an illuminated "height on person" indication by means of two bar displays, which are built into the antenna of the

Continued overleaf

Technical Data HI-PE Multi Zone

metal detector. These may be programmed to provide a display either on both sides or on just one side of the gate. The special signal analysis system allows the zones in which the metal masses are detected to be displayed with a high degree of precision. This allows inspection procedures to be reduced and consequently provides a significant increase in the rate of people passing through.



Single locating

Display of one metal mass

Multiple locating

Display of two or more metal masses

Main features

- Adjustable sensitivity with a wide range of settings.
- International Standards: immediate selection of International Security Standards
- High detection speed: up to 15 meters per second.
- Very high immunity to both electrical and mechanical interference.
- Programmable operation controlled by microprocessor.
- Programming: via built-in keypad and RDU or RS232/RS485 serial connection to PC or computer network.
- Programming access protected by a mechanical lock and two alphanumeric passwords.
- Cable-free automatic synchronization between two or more Metal Detectors at a minimum distance of 5 cm from each other.
- High-integration professional electronics and maximum reliability.
- Control unit incorporated into the detector.
- No need for initial or periodic calibration.
- Easy maintenance: the control unit can be replaced within one minute.
- Detection of magnetic, non-magnetic and mixed alloy metal weapons.

Alarms

Visible signals:

- Multi-zone display bar for "height on person" localization.
- High intensity display.
- Green and red signals.
- Signal proportional to the mass of the object detected.

Under the alarm threshold	
★	Small metal mass
★★★★	Medium metal mass
Over the alarm threshold	
★	Medium metal mass
★★★★	Large metal mass

Audible signals:

- High acoustic intensity alarm signal.
- Volume and tone of alarm signal can be programmed.
- Steady tone or tone length proportional to the mass of the object detected.

Certification and Conformity

- Harmless to wearers of pace-makers or other vital support systems, pregnant women and magnetic storage media (floppy disks, audio cassettes, video cassettes and similar).
- Conforms to the FAA "3-Gun-Test" standard and to the NILECJ-0601-00 standards for all security levels.
- Satisfies EC regulations and international standards relating to electrical safety and electromagnetic compatibility (EMC).

Installation data

- Dimensions (HxWxD): internal: 2050 x 720 x 630 mm; external: 2255 x 835 x 630 mm
- Colour: light grey RAL 7040
- Power supply: 115 / 230 VAC, $\pm 15\%$, 45-65 Hz, 30 VA MAX
- Inputs: RS-232C interface for the connection with a terminal, a computer or an external modem
RS-232C interface for the network connection with other CEIA metal detectors
- Environmental conditions: from -15°C to $+50^{\circ}\text{C}$; from 0 to 95% (without condensation)

Accessories / Options

- RCU remote module of alarm signalling and programming
- Photocell transit count
- Emergency batteries with 45 minute or 6.5 hours independent operation capability

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