

CEIA SMD600 MULTI ZONE

ULTRA-HIGH SENSITIVITY WALK THROUGH METAL DETECTOR

Overview

The SMD600 Multi Zone is an ultra-high sensitivity Walk-Through Metal Detector designed to satisfy the strictest security requirements, especially in corrections, loss prevention and other applications where the detection of extremely small metal masses is required, even if hidden in body cavities.

The SMD600 Multi Zone is characterized by very high immunity to electrical interference in the surrounding environment as well as mechanical vibrations; as a result, it can be installed in areas unsuitable for standard metal detectors. A full-height light bar displays the horizontal location of the detected metal masses in transit, enabling rapid threat identification and a reduction or elimination of manual searches. The Anti-Vandalism Control Unit (IP65) is built-in and programming access is protected both by a mechanical lock and by alphanumeric passwords.

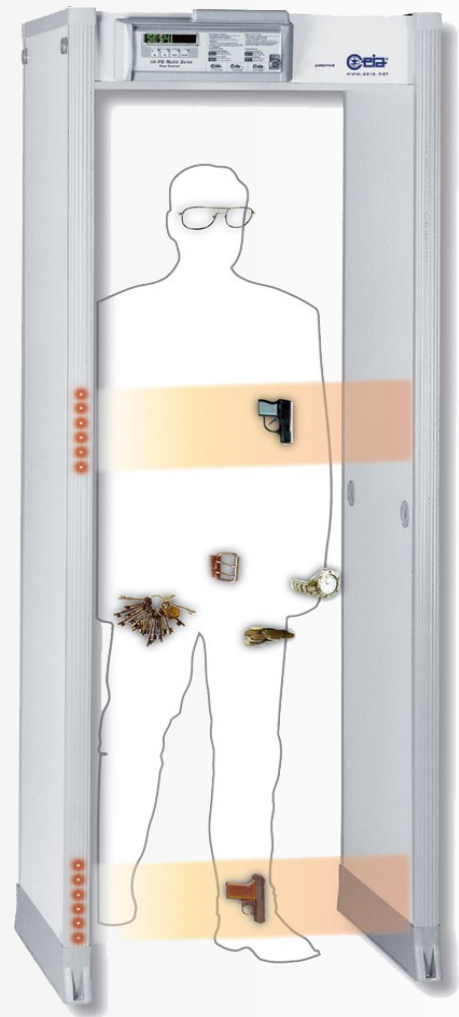
The SMD600 Multi Zone is manufactured using the most advanced electronics technology, conforming to ISO 9001 Quality Control Standard procedures.

Benefits

- Ultra high sensitivity to all metals
- Highly visible double display
- Provides single or multiple location of metal objects in transit
- Extremely high reliability
- Very high immunity to external interferences
- Local or remote programming with networking capabilities
- Anti-Vandalism Control Unit (IP65)

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 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 45 ft/s (15 m/s)
- Very high immunity to electromagnetic and mechanical interference
- Cable-free automatic synchronization between two or more CEIA walk-through metal detectors, at a minimum distance of 2 in (5 cm) from each other
- Professional high integration and high reliability electronics
- Control unit incorporated into the detector
- No initial or periodic calibration
- Easy maintenance: modular control unit for rapid replacement
- Color: light grey RAL 7040



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CEIA SMD600 MULTI ZONE CONT'D

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Installation Data

- Power Supply: 115 / 230 VAC, $\pm 15\%$, 50 \div 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 (indoor): 14°F to 149°F (-10°C to 65°C)
- Operating temperature (outdoor): -4°F to 158°F (-20°C to 70°C)
- Relative humidity: from 0 to 95% (without condensation)

Alarms

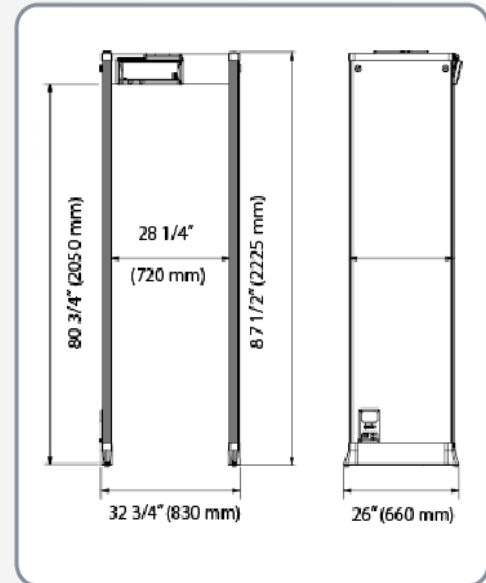
- Visible signals
 - Multi-zone display bar for "height on person" localization
 - High intensity display
 - Green and red metering signals proportional to the mass of the detected object
- Audible signals
 - High acoustic intensity alarm signal
 - Programmable volume and tone of alarm signal

Accessories / Options

- Photocell transit counter and automatic alarm rate calculation
- Outdoor Version (IP65)
- Remote Control Unit (CEIA RCU) with 65.6 ft (20 m) of connection cable
- Internal emergency back-up batteries and automatic charger, providing 30 minutes of independent operation
- External Main Battery Supply Unit MBSU-1, including emergency batteries and automatic charger, providing approximately 8 hours of independent operation
- Test objects
- MD Scope: software for oscilloscope simulation and terminal operation on CEIA Metal Detectors

Certification and Conformity

- Complies with regulations relating to pregnant women, pacemakers, defibrillators or other vital support systems and magnetic storage media
- 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)



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