

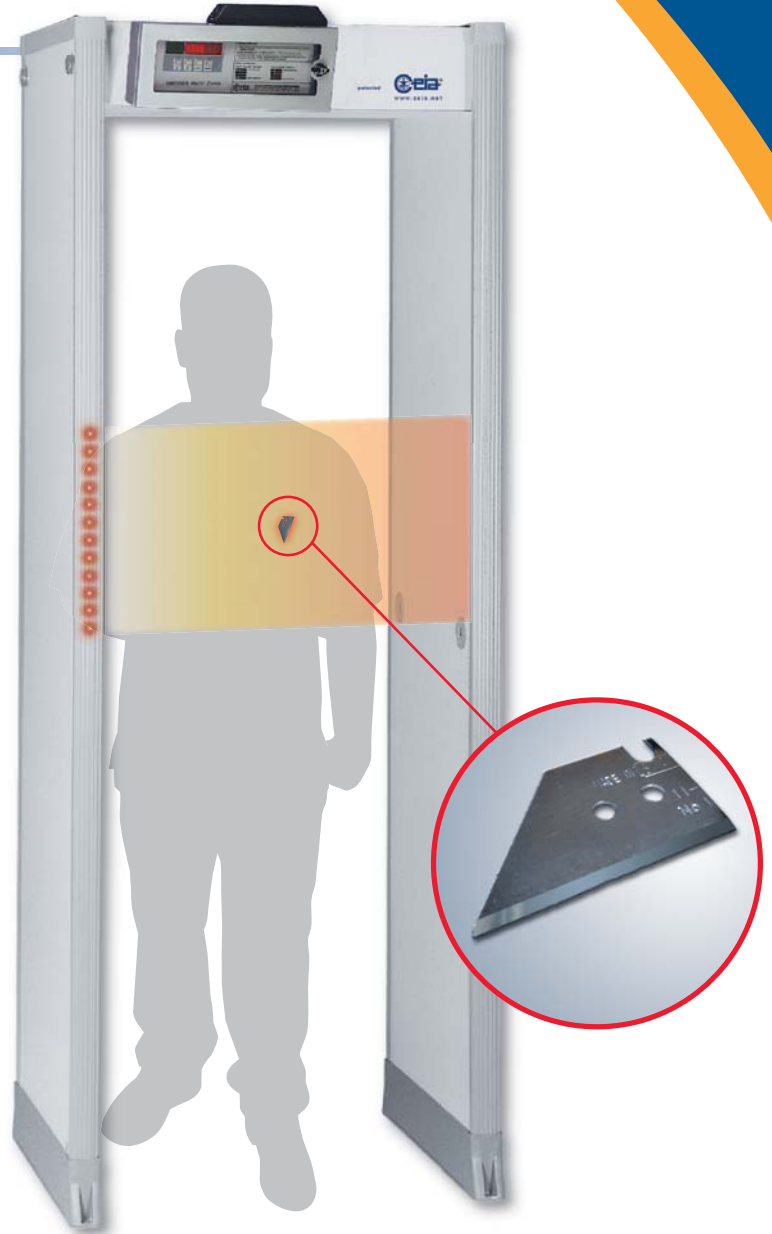
SMD600 Multi-Zone



Ultra-high Sensitivity Metal Detector

FEATURE HIGHLIGHTS

- 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 Interference
- Local or Remote Programming with Networking Capabilities



ANTI-VANDALISM
CONTROL UNIT (IP65)

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



www.ceia.net

SMD600 Multi-Zone

Ultra-high Sensitivity Metal Detector



The SMD600 Multi Zone is characterised by **very high immunity to electrical interference** in the surrounding environment as well as mechanical vibrations; as a result, it can be installed in those environments where the standard Metal Detectors could not be installed before.

A full-height light bar displays the **horizontal location of the detected metal masses in transit**. This results in rapid identification of threat and a reduction, or elimination, of manual searches.

The **Anti-Vandalism Control Unit (IP65 in stainless steel)** is incorporated into the structure of the Metal Detector. Access to programming is protected both by a mechanical lock and by two alphanumeric passwords.

The SMD600 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 alloy metal weapons

All functions programmable and controlled by a 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

TRANSIT FLOW: extremely quick reset time for a rapid flow-rate; detection speed: up to 15 m/s (45 ft/s)

Very high immunity to electromagnetic and mechanical interference

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

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, ±15%, 50 ÷ 60 Hz, 40 VA

EXTERNAL INTERFACE: RS-232C for connection to a Remote Control Unit (RCU2), a terminal, a computer, an external modem or other CEIA Metal Detectors

OPERATING TEMPERATURE IP20: -10°C (14°F) to +65°C (149°F)
IP65: -20°C (-4°F) to +70°C (158°F)

STORAGE TEMPERATURE: -35°C (-31°F) to +70°C (158 °F)

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

External Main Battery Supply Unit **MBSU-1**, including emergency batteries and automatic charger. The device is microcomputer controlled, extremely easy to use, and provides the operator with a real-time indication of the battery status

Internal emergency back-up batteries and automatic charger

RCU2: the console provides complete remote control of CEIA Walk-Through Metal Detector functions; connection to CEIA WTMDs via serial interface through maximum connecting cable length of 100 m

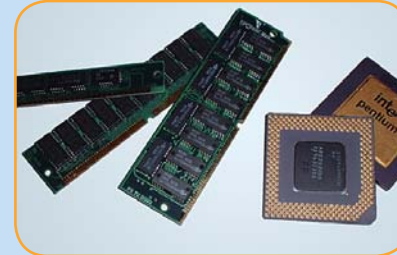
PHOTOCELL TRANSIT COUNTER and automatic alarm rate calculation

OUTDOOR VERSION IP65

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

TEST SAMPLES

ETHERNET NETWORK CONTROLLER for CEIA Metal Detectors



Some of the items detectable with the SMD600 Multi-Zone

UNDER THE ALARM THRESHOLD

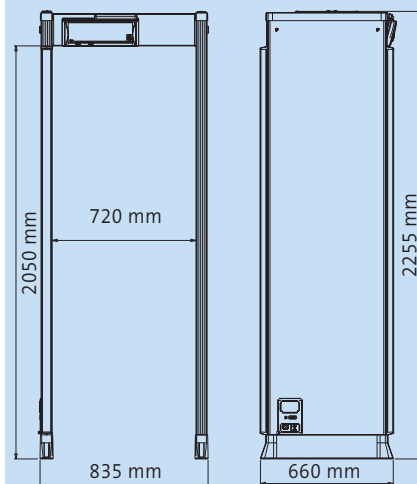
* Small metal mass
*** Medium metal mass

OVER THE ALARM THRESHOLD

** Medium metal mass
***** Large metal mass

Green and Red Metering Signals Proportional to the Metal Mass Detected

DIMENSIONS



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