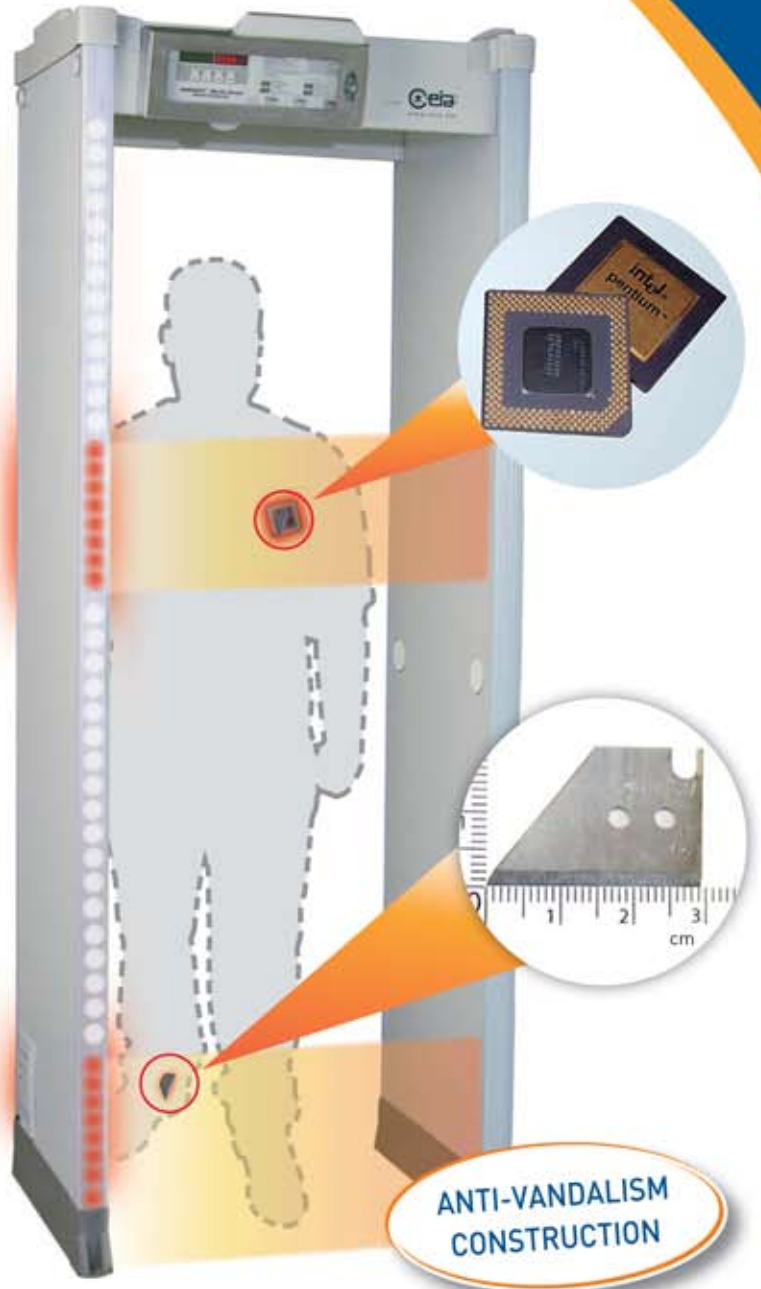


# SMD600 Multi-Zone



## ULTRA-HIGH SENSITIVITY METAL DETECTOR

- Ultra-high Sensitivity to all Metals
- Highly Visible Double Display provides single or multiple location of metal objects in transit
- Very high Immunity to external interference including mechanical vibrations
- Extremely high Reliability
- Local or Remote Programming with Networking Capabilities



### STRICT SECURITY ENVIRONMENTS AND LOSS PREVENTION

The CEIA SMD600 Multi-Zone is an ultra-high sensitive 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**. It meets all International Security Standards currently adopted in public and private installations.



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# SMD600 Multi-Zone



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 perform.

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.

## MAIN FEATURES

**VERY HIGH SENSITIVITY** for detection of small metal objects normally difficult to detect

**EXCEPTIONAL IMMUNITY** to electromagnetic and mechanical interference

**CONTROL UNIT** incorporated in the structure of the Metal Detector in anti-vandalism version (IP65 in stainless steel)

**IMMEDIATE SELECTION OF INTERNATIONAL SECURITY STANDARDS**

**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

**HIGH DETECTION SPEED:** up to 15 m/s (45 ft/s)

**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

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,  $\pm 15\%$ , 50 + 60 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

**OPERATING TEMPERATURE:** -20°C to +70°C

**STORAGE TEMPERATURE:** -35°C to +70°C

**RELATIVE HUMIDITY:** 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 EC Regulations and International Standards relating to Electrical Safety and Electromagnetic Compatibility (EMC)

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.

## 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

## ACCESSORIES / OPTIONS

**CHIP CARD SYSTEM:** automatic calibration of Security Levels

**RCU2:** the console provides complete remote control of CEIA Walk-Through Metal Detector functions

**MDNC-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

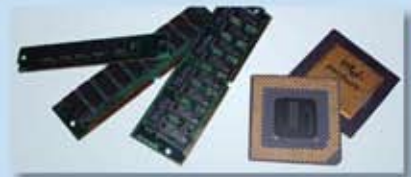
**RRU** (Remote Relay Unit)

## EMERGENCY BATTERIES

**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



SOME OF THE ITEMS DETECTABLE WITH THE SMD600 MULTI-ZONE

## UNDER THE ALARM THRESHOLD

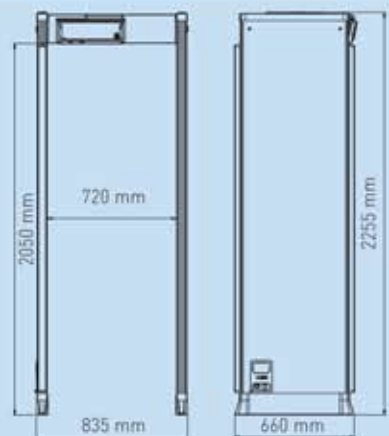
★ Small metal mass  
★ ★ ★ Medium metal mass

## OVER THE ALARM THRESHOLD

★ ★ Medium metal mass  
★ ★ ★ ★ Large metal mass

GREEN AND RED METERING SIGNALS PROPORTIONAL TO THE METAL MASS DETECTED

## DIMENSIONS



CEIA PROVIDES FULL OPERATIONAL AND TECHNICAL TRAINING SUPPORT; ON SITE OR AT HEADQUARTERS BY CEIA CERTIFIED PERSONNEL

