

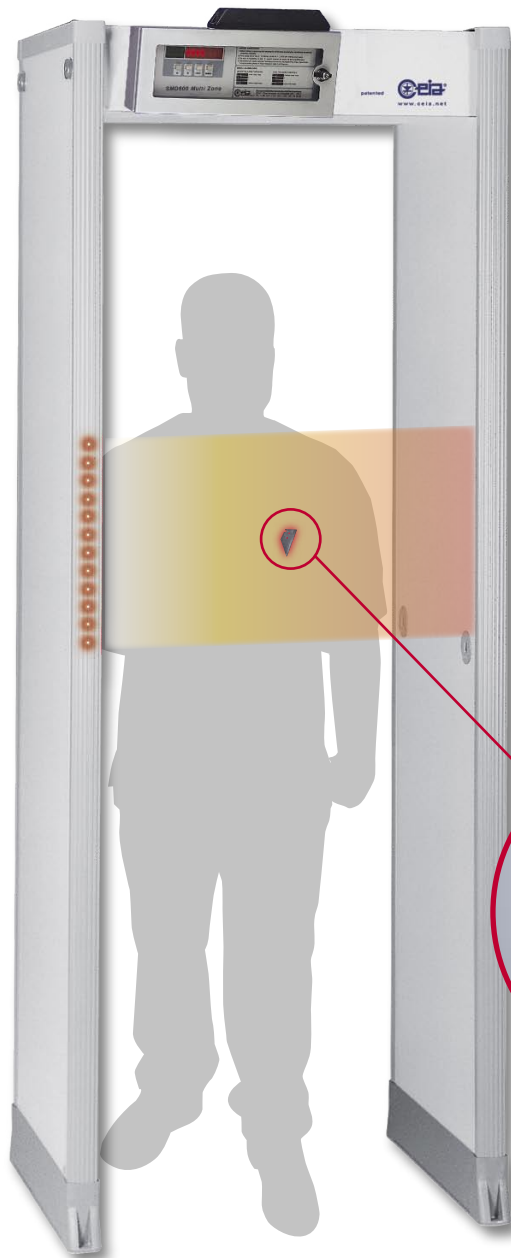


SMD600 MULTI ZONE

VERY HIGH SENSITIVITY METAL DETECTOR



THE CEIA SMD600 MULTI ZONE IS
A NEW-GENERATION
ULTRA-HIGH SENSITIVITY
WALK-THROUGH METAL DETECTOR
DESIGNED TO SATISFY THE
STRICTEST SECURITY REQUIREMENTS



**ANTI-VANDALISM
CONTROL UNIT**

Complete Security Detection

*Exceeds all Security Standards for
Walk-Through Metal Detectors*

Extremely High Reliability

*Very High Immunity to External
Interferences*

Ultra High Sensitivity to all Metals

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

*Local or Remote Programming
with Networking Capabilities*



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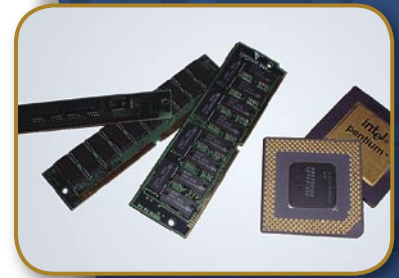
The CEIA SMD600 Multi Zone is a new-generation **ultra-high sensitivity Walk-Through Metal Detector** designed to satisfy the strictest security requirements, especially **in penitentiaries and other applications where the detection of extremely small metal masses is required** (for example: loss prevention), even if hidden in body cavities. It meets all International Security Standards currently adopted in public and private installations.

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** (IP55 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**.



SOME OF THE ITEMS DETECTABLE WITH THE SMD600 MULTI ZONE

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, ±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
- Operative temperature: from -15°C (5°F) to +70°C (158°F)
- 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).
- 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).

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 (IP55).
- 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.

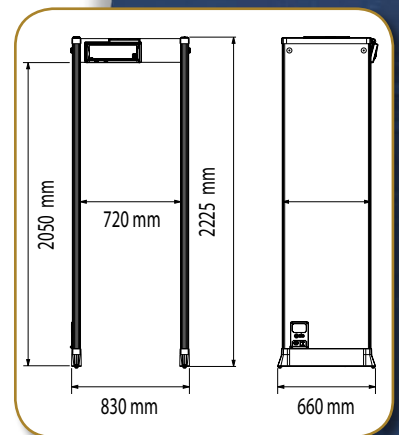
UNDER THE ALARM THRESHOLD

- * 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



OVERALL DIMENSIONS



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