



GSA Contract Holder

SMD600

Very High Sensitivity Multi-Zone Metal Detector



- Very high Sensitivity to all metals
- Exceptional Immunity to external interferences
- Compliant with the strictest detection standards
- Unmatched Reliability
- Rapid Installation



www.ceia-usa.com

Threat Detection through Electromagnetics



SMD600

Very High Sensitivity Multi-Zone Metal Detector

Superior Detection

The CEIA SMD600 is a Walk-Through Multi-Zone Metal Detector with very high sensitivity designed to satisfy the strictest security requirements



VERY HIGH SENSITIVITY

- Very accurate pinpointing of individual and multiple metal targets

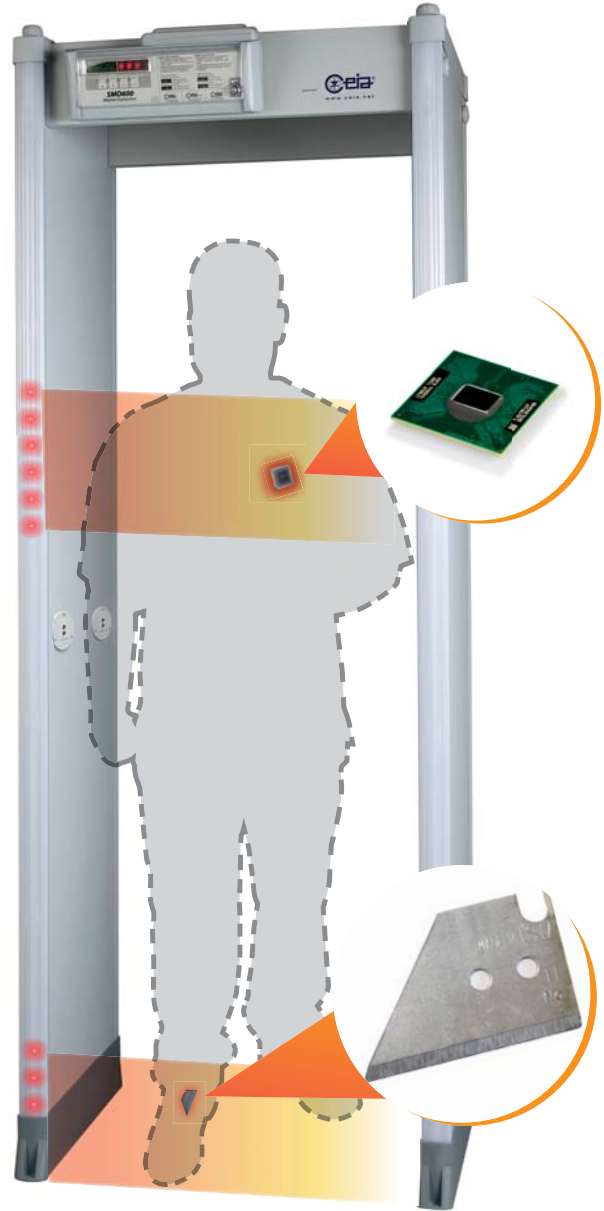


HIGH RESOLUTION AND PRECISION

- Quick, accurate analysis of all parts of the body of people in transit, from the shoe level to the crossbar
- Built-in programs to screen visitors and staff for weapons and contraband

The SMD600 Multi-Zone is characterized by a very high immunity to electrical interference in the surrounding environment. 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 vertical location of the detected metal masses in transit. This results in rapid identification of threats and a reduction or elimination of manual searches.



Advanced Alarm Indication



PROGRAMMABLE DISPLAY BARS

- Entrance and Exit Multi-Zones Display Bars each programmable as Entry Pacing and/or Localization Lights



FLEXIBLE SOUND SYSTEM

- Flexible Acoustic Alarm Signaling System:
 - ✓ 10 Continuous and Pulsed Tones
 - ✓ 34 Special Sounds

- 10 Acoustic Intensity Levels programmable from 0 up to 90 dBA at 1 m



BIDIRECTIONAL COUNTER

- High Precision Transit Counter:
 - ✓ In-Bound Transits
 - ✓ Out-Bound Transits
 - ✓ Alarm Rate



SMD600

Very High Sensitivity Multi-Zone Metal Detector



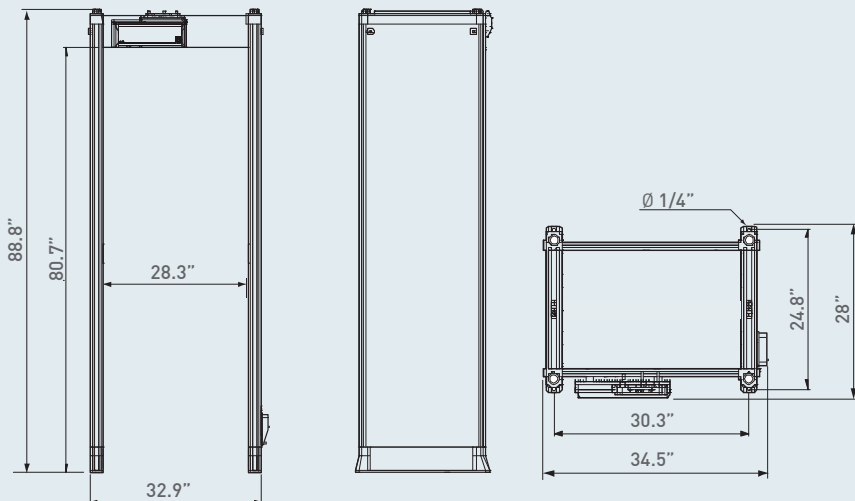
Model Configuration

Features	SMD600/PZ
2 display bars programmable as zone indicators and/or pacing lights	●
Dual Side 20 localization zones	●
Powered by safe low voltage DC	●
Chip Card Reader	●
One Touch Automatic Self Installation (OTS)	●
Bluetooth, infrared and RS-232 communication	●
Password and hardware key access protection	●
Anti-tamper on/off switch	●
High precision transit counter	●
Programmable Random Alarm capability	●
Weather resistant protection	○
Anti-vandalism, anti-tampering protection	○
IP65 protection (includes weather resistant and anti-vandalism options)	○
Embedded battery back-up and charger	○
Integrated web-server & logger (includes Ethernet and USB interface)	○
Long life crossbar battery back-up	○

● STANDARD ○ OPTION



Dimensions



VIEW OF THE SMD600 WITH ANTI-VANDALISM AND ANTI-TAMPERING PROTECTION OPTION

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



Rapid Installation



ONE TOUCH
AUTO-SETTING

- One touch automatic self installation (OTS)
Innovative function assisting the installation through an automatic step-by-step procedure
- Industry Leader in Immunity against External Interferences
- Continuous self diagnostics assures monitored performance reliability



Options and Upgrade Kits

WEATHER RESISTANT PROTECTION

Kit for upgrading the standard version to outdoor applications according to IEC 60950-22; this kit includes shelters, crossbars and protection covers for power supply. Part # 55630



ANTI-VANDALISM, ANTI-TAMPERING PROTECTION

This option includes stainless steel control unit, protection covers for power supply and antenna connection compartments. Equipped with screws requiring tools for removal. Part # 55629



IP65 PROTECTION

This option includes the Weather Resistant and Anti-vandalism kits. Part # 55631

LONG LIFE CROSSBAR BATTERY BACK-UP

Crossbar battery back-up in stainless steel case. Provides up to 14 hours of autonomous working time.

Part # 55681

14 HOURS TYPICAL (9.5 HOURS MINIMUM) CONTINUOUS OPERATION WITH SMD600



EMBEDDED BATTERY BACK-UP AND CHARGER

Anti-tamper on/off switch, RS-232 interface, 55 minutes typical (45 minutes minimum) internal battery back-up with 12 hours mains disconnection diagnostic alarm.

Part # APSM2Plus/P



INTEGRATED WEB-SERVER & LOGGER, BATTERY BACK-UP AND CHARGER

Anti-tamper on/off switch, RS-232, USB, 10/100 baseT Ethernet interface, data logger, real-time clock, integrated web-server, transit statistical data analysis, 20' internal battery back-up with 12 hours mains disconnection diagnostic alarm. Part # APSiM2Plus/P



Communication Capabilities

TYPE OF OPERATION	Ethernet	USB	Infrared	Bluetooth	RS-232
Maintenance	○	○		●	●
Remote Control	○		●	●	●
Remote Data collection	○				

● STANDARD ○ OPTION

Accessories

CHIP CARDS

Chip cards for simple and secure selection of Security Levels and parameter setting. List of chip-cards available on request.



MBSU-2

Independent, long life power supply in weatherproof stainless steel case, with embedded fast charger:

- 25.5 hours typical (17.5 hours minimum) continuous operation with SMD600
- 5 hours typical charging time

(Part # MBSU-2)



IRC-1

Infrared Remote Controller for wireless remote programming of the control unit.

Part # 47180



UPPER CONNECTION MODULE

This extension cable allows the connection of power supply and serial communication to personal computers or CEIA accessories, such as RCU-2. Part # 46650

RRU

Remote relay unit (RRU) to repeat the detection alarms of the gate through a relay contact. The RRU module can be used for integration of the Metal Detector in interlocked door systems. Part # RRU

WATERPROOF MAINS POWER SUPPLY

100W IP67 power supply for outdoor applications. It is provided with flanges for simple installation.

Part # 43564



RCU2

Control unit for full remote access, including alarm signalling and programming of CEIA Walk Through Metal Detectors.

Part # RCU2



VISUAL ALARM WITH ZONE INDICATION

MD-SCOPE

Powerful, PC based installation and service Software. Includes oscilloscope and terminal functionality.

Part # MD-SCOPE2



METAL DETECTOR DIVESTING TABLE FOR MANAGEMENT OF PERSONAL METAL BELONGINGS

- Standard length: 24" (Part # 18074)
- Extended length: 47" (Part # 39491)



TEST SAMPLES KIT

Reference Samples for accurate verification of the Security Level. Includes guided procedures and certificate of calibration.

Part # 3505 (NILECJ 0601.00 levels 1-5)

Part # 46919 (Half Cutter Blade)





SMD600

Very High Sensitivity Multi-Zone Metal Detector

Specifications

KEY FEATURES	Very High Sensitivity
	20 High Precision localization zones
	High precision bidirectional counter with automatic rescreening compensation
	Chip Card capability for fast, simple, and secure programming
	Random alarm capability programmable from 0% to 100%
	Exceptional Immunity to external interferences
	Powered by safe low voltage DC
	Standard Interfaces: RS-232, Bluetooth, Infrared
	Other available interfaces: Ethernet, USB
QUALITY	Continuous self diagnostic system
	Proven reliability
	No periodic re-calibration and preventive maintenance required
	No scheduled maintenance
	Fully digital design
WALK-THROUGH GATE STRUCTURE	State-of-the-art, robust and washable panels
	Protected against aging, weather and wear
CENTRAL CONTROL UNIT	Ergonomic and robust design
	High visibility alphanumeric display and programming keyboard
	Made of advanced plastics or stainless steel and anti-vandalism construction (option)
	Access to the front panel protected by hardware key and two levels of passwords
ALARM SIGNALLING	VISUAL SIGNALS
	Multi-zone display bar for "height on person" localization
	2 light bars with selectable entry/exit and pacing indication
	Green and red metering signals proportional to the mass of the detected target
	AUDIO SIGNALS
10 selectable continuous and pulsed tone plus 34 special tones	
10 selectable sound intensities ranging from 0 to 90 dbA at 1m	
TYPE OF SIGNALLING	VISUAL
	Fixed or proportional to the mass in transit - visible from 6m under lighting of 4000lux.
	VISUAL ZONE INDICATION
2, 4, 8 or 20 independent zones selectable	
PROGRAMMING	Over 40 built in security programs
	Remote via RS-232, Infrared Remote Control Unit, Bluetooth™ or Ethernet 10/100 base T interface
	SECURITY LEVEL
	International Standard (IS) command
	Chip card
	Local by Control Unit alphanumeric display and keyboard
Programming and chip-card access protected by user and super-user passwords	
OPERATIONAL FEATURES	Quick reset time as short as 0.2 seconds for high throughput rate
	Very high detection speed (up to 50 ft/sec.)
	Built-in operational functional verification
	One-touch key reading of inbound, outbound and Security Level Data
INSTALLATION DATA	Automatic synchronisation between two or more metal detectors with distance as close as 2" (5 cm) without the use of external cables
	Automatic Installation function (OTS)

Environmental Data

- **POWER SUPPLY** : 100...240V~ -10/+15%, 47...63Hz, 25 VA max
- **OPERATING TEMPERATURE**: -4°F to 158°F (-20°C to +70°C)
- **STORAGE TEMPERATURE**: -31°F to 158 °F (-35°C to +70°C)
- **RELATIVE HUMIDITY**: 0 to 95% (without condensation)

Certification and Compliance

- Complies with and exceeds the applicable Standards for Law Enforcement and Correctional Facilities
- Compliant with the applicable electromagnetic Standards on Human Exposure and Pacemaker Safety
- Compliant with applicable International Standards for electrical safety and EMC
- Harmless to magnetic media (floppy disks, tapes, etc.)

Comprehensive support

CEIA USA PROVIDES FULL OPERATIONAL AND TECHNICAL TRAINING SUPPORT BY CERTIFIED PERSONNEL EITHER AT CEIA USA FACILITY OR AT CUSTOMER PREMISES



- phone technical support
- in-house and on-site repair/ services
- standard and custom training



CEIA USA Ltd - 9155 Dutton Drive, Twinsburg, OH 44087
Phone: (330) 405 3190 - Fax (330) 405 3196 - e-mail: security@ceia-usa.com

www.ceia-usa.com

Call Toll-Free 888-532-CEIA

DP060K0047V1US-56884

CEIA USA reserves the right to make changes, at any moment and without notice, to the models (including programming), their accessories and options, to the prices and conditions of sale