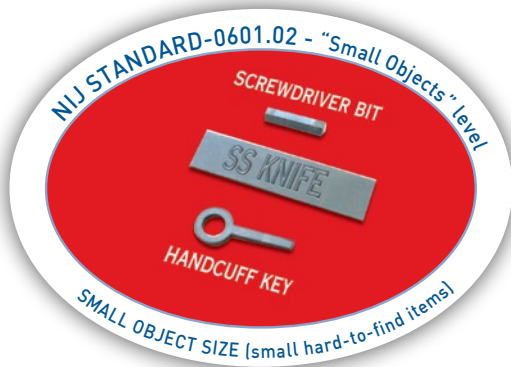


SMD601



THE MOST ADVANCED MULTI-ZONE METAL DETECTOR
FOR LAW ENFORCEMENT AND CORRECTIONAL FACILITIES



COMPLIES WITH NEW
STANDARD NIJ-0601.02*

- **Very high Sensitivity** to magnetic and non-magnetic metals and to stainless steel
- **Quick, accurate analysis of all parts of the body** of people in transit
- **Very accurate pinpointing** of individual and multiple metal threats
- **Exceptional and Unsurpassed Immunity** to Environmental Interference



* NIJ STANDARD-0601.02:
"Walk-Through Metal Detectors
for Use in Concealed Weapon
and Contraband Detection"

SMD601 Multi-Zone Metal Detector



FOR LAW ENFORCEMENT AND CORRECTIONAL FACILITIES

The CEIA SMD601 is a Multi-Zone Walk-Through Metal Detector specifically designed to **comply with the new NIJ Standard-0601.02** (U.S. Dep. of Justice). The Standard **establishes new requirements of Sensitivity, Discrimination and Immunity** for Law Enforcement and Correctional Facilities.

This is an extremely sensitive device for the **detection of conventional weapons**, such as pistols and knives, **as well as small, hard-to-find items, normally difficult to detect**, that could be considered a threat to officer and prisoner safety.

The **three levels of Security** specified by the Standard (Large, Medium and Small

object size) are pre-loaded in the Metal Detector, and can be selected directly by the user via a simple operation at the control unit.

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 the need for 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.

MAIN FEATURES

IMMEDIATE SELECTION (PARAMETER IS) of Security Levels specified by NIJ Standard-0601.02

Additional Threat Levels selectable by **CHIP-CARD**

Detection of magnetic, non-magnetic and mixed alloy metal weapons

All functions programmable and controlled by a microprocessor

PHOTOCELL TRANSIT COUNTER and automatic alarm rate calculation

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 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 down to 20 cm 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, $\pm 15\%$, 50 \div 60 Hz, 40 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)

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

Compliant with the Human Exposure Safety Requirements specified by NIJ Standard-0601.02.

Compliant with EC Regulations and International Standards relating to Electrical Safety and Electromagnetic Compatibility (EMC)

ACCESSORIES / OPTIONS

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

MDNC-1: Ethernet network interface for CEIA Metal Detectors

KIT OFV: operator-level functionality test

KIT FGA & TFV: functionality test and adjustment of gain at ground level

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

APSIM: connection module with Anti-tamper on/off switch and Ethernet interface

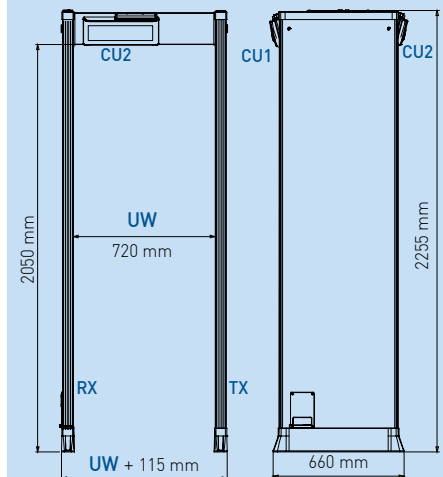


ANTI-VANDALISM CONTROL UNIT (IP65)



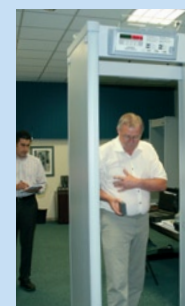
HIGH-INTENSITY DISPLAY BAR DETAIL

DIMENSIONS



CU2: master control unit
CU1: slave control unit

RX: receiver panel
TX: transmitter panel



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



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CEIA 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