METAL HANDHELD DETECTORS

peo DETECTION

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CEIA is a global leader in security screening technologies, specializing in Explosive Trace Detectors (ETDs), Handheld Metal Detectors, and Walk-Through Metal Detectors (WTMDs). Their solutions are engineered to deliver high-performance threat detection across a wide range of security environments.

Product offering

PD140N

PD140E

PD240

PD240CB

CEIA CMD® Compact Metal Detector

PD140N

CEIA's PD140N is a hand-held metal detector that combines high reliability and ergonomics with advanced detection and operator signalling features. Effective sensitivity to all metals, full compliance with the latest security standards and high immunity to external metal masses are among the main peculiarities of this new device.

Compact hand-held metal detection set

The PD140N features a special ergonomic design consisting of an offset hand grip which ensures that the operator's hand does not interfere with the sensitive detection area. This means fewer scans per person and therefore shorter inspection times per person.

Special care has gone into the mechanical design of the detector. Absence of sharp edges or corners allows the detector to be passed smoothly over the inspected area without getting caught in buttons, buckles, folds or other
parts of clothing.

Areas of application

- Public events
- Stadiums and sport arenas
- Conventions
- Multiple lane screening

Characteristics

- NIJ Standard – 0602.02 compliant
- Compact, elegant, robust and ergonomic
- Detection of magnetic and non-magnetic targets
- Full digital design: calibration-free operations
- Extended continuous operation time
- Advanced configuration capability
- Indoor and outdoor operations

Advantages

• Programmable Sensitivity
• Extended continuous operation Time
• Automatic low power mode during screening pauses
• Embedded long life rechargeable batteries
are renewable energy and eliminate the operation cost of alkaline batteries
• Embedded fast and reliable battery charger: no need of batteries removal
• Dedicated holder acts as minimum space table stand and mains connection for battery charge
• Operator functions can be standard or customized by the user through PC GUI and USB connection

PD140N: fully digital and maximum flexibility

The PD140N is fully digital. Electronic functions include an inspection field transmitter-receiver based on Digital Signal Processing (DSP) technology, a digital operator interface and external communications over the incorporated USB port. This design combined with a special printed antenna ensures top reliability and very high repeatability.

The digital design of the new metal detector also enables the maximum flexibility in selecting the functions available to the user and how detection alarms are signalled. Users can keep the factory settings or connect the detector over its USB to a PC and then personalize the settings with a dedicated graphic interface (HHMD configuration tool required)

PD140E

The PD140E features a special ergonomic design consisting of an offset hand grip which ensures that the operator’s hand does not interfere with the sensitive detection area. This means fewer scans per person and therefore shorter inspection times per person. Special care has gone into the mechanical design of the detector. Absence of sharp edges or corners allows the detector to be passed smoothly over the inspected area without getting caught in buttons, buckles, folds or other parts of clothing.

The technical features of the detector comply with the NIJ standard 0602.02 and the new NIJ draft standard 0602.03. The PD140E has uniform sensitivity to magnetic and non-magnetic targets including those made of stainless steel. At the same time the detector offers excellent body-effect compensation and has high immunity to external disturbance from electromagnetic and mechanical sources.

The PD140E is fully digital. Electronic functions include an inspection field transmitter-receiver based on Digital Signal Processing (DSP) technology. This design, combined with a special printed antenna, ensures consistent performance, very high reliability and calibration-free operations

PD240

The PD240 features a wide detection area for faster and more accurate screening operations. The PD240 combines CEIA's signature high reliability with advanced detection and operator signalling features, including a high immunity to floor rebars for lower body screening without sensitivity reduction. The PD240 offers full compliance with the latest NIJ security standards, indoor and outdoor use, as well as up to 100 hours of continuous operation on a single charge of its long life rechargeable batteries and embedded fast and reliable battery charger.

Advantages & benefits

- Programmable Sensitivity
- Long Detection Range
- Extended Continuous Operation Time
- Automatic Low Power Mode during Screening Pauses
- Embedded Long Life Rechargeable Batteries are renewable energy and eliminate the Operation Cost of Alkaline Batteries
- Embedded Fast and Reliable Battery Charger: no need for removal of batteries
- Dedicated Docking Station acts as Table Stand and Mains connection for Battery Charge
- Operator Functions can be standard or customized by the user through PC GUI and USB connection

PD240CB

The PD240CB is a Hand Held Metal Detector that combines high reliability and ergonomics with advanced detection and operator signalling features. Long detection range for weapons and minimum metal targets, effective sensitivity to all alloys, exceeds the latest Security Standards and has high immunity to external metal masses.

Advantages & Benefits

- Programmable Sensitivity
- Long Detection Range
- Extended Continuous Operation Time
- Automatic Low Power Mode during Screening Pauses
- Embedded Long Life Rechargeable Batteries are renewable energy and eliminate the Operation Cost of Alkaline Batteries
- Embedded Fast and Reliable Battery Charger: no need for removal of batteries
- Dedicated Docking Station acts as Table Stand and Mains connection for Battery Charge
- Operator Functions can be standard or customized by the user through PC GUI and USB connection

CEIA CMD® Compact Metal Detector

The CEIA CMD® is a very high performance, high-sensitivity Compact Metal Detector designed to detect metal and minimum-metal content targets in all types of terrain. Pinpointing of the metal objects is aided by an evolved system of acoustic modulation and an LED bar indicator, which allow the position of the detected mass to be established with a high degree of precision. The detector is manufactured in compliance with the ISO-9001 standard and has been designed to satisfy the most stringent operational requirements in any application field.

The Metal Detector comprises a search head, a control unit, a telescopic pole and an elbow support all jointed together in a one-piece design.
The detection head is light and the wiring is designed to be protected from any possible damage.
The compact, highly-portable design allows immediate operational status and ease of transport.
The CEIA CMD® incorporates a rapid battery charger (3 hours max.) powered by an electrical mains adapter or via the cigar lighter socket found in vehicles.

Intentionally designed to be used easily and comfortably in every working condition, the CEIA CMD® can be set up for operation in less than twenty seconds.
The equipment stands out due to its compact design, light weight, operational performance and reliability.
The telescopic pole length can be adjusted for use when standing, kneeling or in the prone position.