



## PD240 CEIA

WIDE SEARCH AREA  
HAND-HELD METAL DETECTION SET

- WIDE SEARCH AREA FOR FASTER AND ACCURATE SCREENING OPERATIONS
- SEARCH OPERATIONS ALLOWED EVEN IN CLOSE PROXIMITY OF METAL REINFORCED FLOORS
- UNIFORM DETECTION OF MAGNETIC AND NON-MAGNETIC TARGETS
- DETECTION OF RADIOACTIVE SUBSTANCES AND MATERIALS (OPTION)
- INDOOR AND OUTDOOR OPERATIONS

### 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

### ELEGANT, ROBUST AND ERGONOMIC

The PD240 features a special ergonomic design consisting of an off set hand grip which ensures that the operator's hand does not interfere with the sensitive detection area. 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.



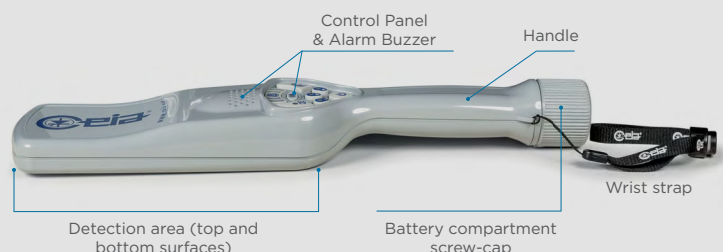
THE PD240 INCORPORATES INNOVATIVE TECHNICAL SOLUTIONS WHICH MAKE IT POSSIBLE TO OPERATE MUCH CLOSER TO FLOORS WITH STEEL REINFORCEMENT BARS THAN WAS PREVIOUSLY POSSIBLE WITH CONVENTIONAL HAND-HELD DETECTORS. ALL THIS WITHOUT ANY REDUCTION IN SENSITIVITY.

### NIJ STANDARD 0602.02 COMPLIANT

The technical features of the detector comply with the NIJ standard 0602.02 and the new NIJ draft standard 0602.03. The PD240 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.

### EXTENDED CONTINUOUS OPERATION TIME

The PD240 is powered by two AA-size NiMH batteries with a battery life of over 100 hours. A Low Power Mode is automatically activated during periods of inactivity, extending the battery life up to 200 hours. An internal circuit optimizes battery recharging which takes less than five hours.





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### SPECIFICATIONS

Power supply	2x AA size NiMH, rechargeable batteries
Fully customizable control panel	Optical, acoustic and vibration alarm modes 3-level sensitivity selection buttons
Detection and operational functions	Customizable via HHMD Configuration tool
Battery	Battery life : 100 + hours continuous service (AA NiMH batteries 2500 mAh); up to 200 hours with automatic sleep mode Low battery indicator Built-in fast battery charger in combination with the HHDS Docking station
Operating temperature	-40°C to 70°C
Storage temperature	-40°C to 80°C
Relative humidity	0 to 98% (without condensation)
Dimensions	PD240: 430 mm x 80 mm x 40 mm HHDS Docking station: 175 mm x 115 mm x 85 mm Carry Bag : 450 mm x 325 mm x 115 mm
Weight	PD240 (with battery): 470 g HHDS Docking station (with power adapter): 755 g Carry Bag: 1,3 kg
Color	PD240: light grey RAL 7040 - Carry Bag: Green RAL 7013

### ACCESSORIES

Carry bag	
Belt holster	
NIJ 0602.02 TEST PIECES KIT	Includes 11 test objects for LO, MO, SO, VSO security levels. Test pieces are manufactured according to NIJ 0602.02 specifications and electromagnetically certified.
HHMD CONFIGURATION TOOL	Allows the connection of the Metal Detector to PC, via USB port. Includes special USB adapter with cable, GUI application software, tool for battery cap removal.
Cigarette lighter cable for battery charger	

### FULLY PROGRAMMABLE SIGNALING

- Proportional/Fixed, High Loudness Acoustic Alarm
- Proportional/Fixed, High Brightness Optical Alarm
- Vibration Alarm for Discrete Screening



Optical indication proportional to the metal signal strength (Low, Medium, High).



Optical indication proportional to the radioactive substance signal strength.



- |                         |                            |
|-------------------------|----------------------------|
| 1 Power push button     | 5 Battery charge indicator |
| 2 L - low sensitivity   | 6 Acoustic alarm           |
| 3 M -medium sensitivity | 7 Vibration Alarm          |
| 4 H -high sensitivity   | 8 Visual alarm indicator   |

### HTDS

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