

# PD140E

## NEW GENERATION COMPACT HAND HELD METAL DETECTION SET

### FEATURES

- NIJ Standard - 0602.02 Compliant
- Compact, Elegant, Robust and Ergonomic
- Uniform Detection of Magnetic and Non-Magnetic Targets
- Full Digital Design: Consistent Performance and Calibration-Free Operations
- Extended Continuous Operation Time
- Programmable Sensitivity
- Indoor and Outdoor Operations



### APPLICATIONS

- GOVERNMENT BUILDINGS
- AIRPORTS
- CORRECTIONAL FACILITIES
- LAW ENFORCEMENT
- NUCLEAR FACILITIES
- LOSS PREVENTION
- PUBLIC EVENTS
- SCHOOLS SECURITY
- 



**PD140E New Generation**  
COMPACT HAND HELD DETECTION SET

The **PD140E** is a Hand Held Metal Detector that combines high reliability and ergonomics with advanced detection and operator signaling 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 device.

✓ **COMPACT, ELEGANT, ROBUST AND ERGONOMIC**

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. 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.

✓ **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 **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.

✓ **FULL DIGITAL DESIGN**

The **PD140E** is fully digital. Electronic functions include a magnetic 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.

✓ **LATEST PLASTIC MATERIALS TECHNOLOGY**

The metal detector casing is made from next-generation technical polymers. These plastics offer high chemical resistance and mechanical strength ensuring a long detector life even in heavy duty conditions.

✓ **ADVANCED ALARM INDICATION**

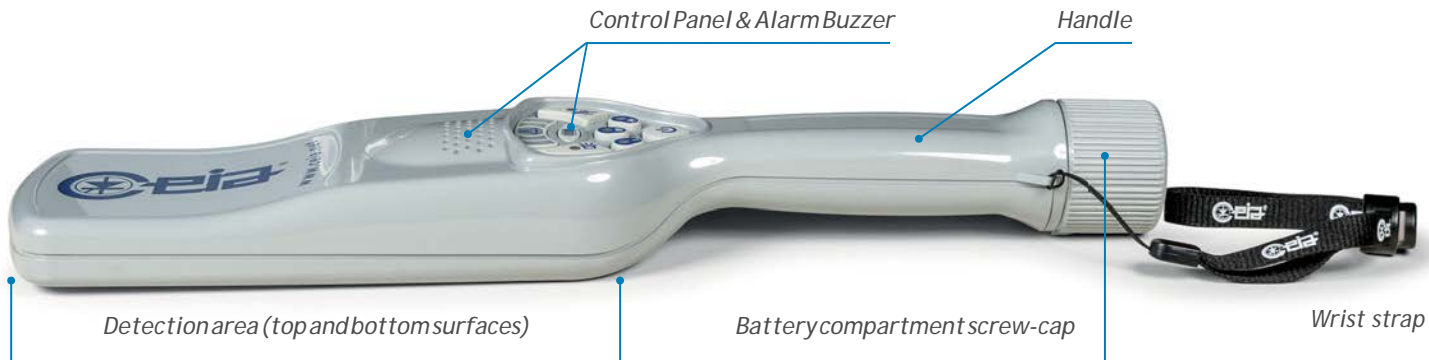
The alarm signalling modes include: optical alarm proportional to the intensity of the detection signal; acoustic alarm with a tone which is proportional to the size of the object detected; vibration alarm signal.

**FULLY PROGRAMMABLE SIGNALING**

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

	Power push button
	Alarm Mode selection
	Sensitivity selection: • Low • Medium • High
	Alarm indicator
	Battery charge indicator

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



## SPECIFICATIONS

<b>POWER SUPPLY</b>	2xAA size alkaline or NiMH rechargeable batteries
<b>FULLY CUSTOMIZABLE CONTROL PANEL</b>	Optical, acoustic and vibration alarm modes 3-level sensitivity selection buttons
<b>BATTERY</b>	Battery life: 100+ hours continuous service (AA alkaline batteries) Low battery indicator
<b>OPERATING TEMPERATURE</b>	-40°F to 158°F
<b>STORAGE TEMPERATURE</b>	-40°F to 176°F
<b>RELATIVE HUMIDITY</b>	0 to 98% (without condensation)
<b>DIMENSIONS</b>	14.2" x 3.2" x 1.6"
<b>WEIGHT</b>	0.85 lbs (with battery)
<b>COLOR</b>	Light grey RAL 7040
<b>MANUFACTURED IN GREY SHOCK-RESISTANT TECHNICAL POLYMERS</b>	
<b>COMPLIANCE</b>	Conforms to the NIJ 0602.02 Standard and the NIJ 0602.03 Draft for metal detection  Conforms to the international standards currently applicable for safety, EMC and to the applicable CE regulations

## SHIPPING INFORMATION

<b>PACKAGE DIMENSIONS</b>	16" x 2.8" x 5" (WxDxH)
<b>PACKAGE WEIGHT</b>	1.2 lbs



## ORDERING INFORMATION

**PD140E** part # PD140E

## PART LIST

●	PD140E Hand Held Metal Detector (batteries not included)
●	Wrist strap
●	Quick Reference Guide
●	Package

## ACCESSORIES

### NIJ 0602.02 TEST PIECES KIT

(part # NIJ HHMD-0602.02)

Includes 11 test objects for LO, MO, SO, VSO security levels. Test pieces are manufactured according to NIJ 0602.02 specifications and electromagnetically certified.



### BELT HOLSTER

(part # 64614)



### TEST SAMPLE

(part # 61256)



### AA size Alkaline Batteries

(part # 64681)