

# PD140E

## NEW GENERATION COMPACT HAND HELD METAL DETECTION SET

NIJ-0602.02  
Compliant

### 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



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*Threat Detection through Electromagnetics*

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**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 new 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**

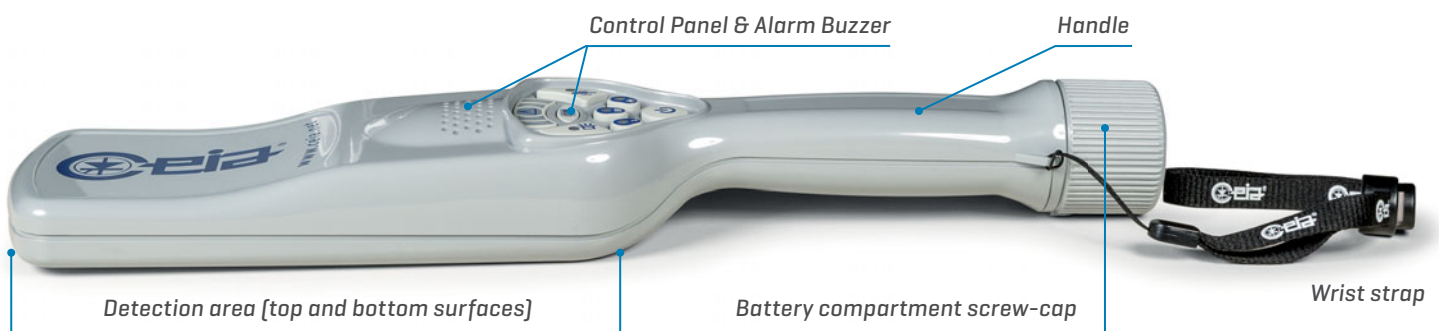
- Proportional, High Loudness Acoustic Alarm
- Proportional, High Brightness Optical Alarm
- Vibration Alarm for Discrete Screening



<b>A</b>	Power push button
<b>B C</b>	Alarm Mode selection
<b>D E F</b>	Sensitivity selection: • Low • Medium • High
<b>G</b>	Alarm indicator
<b>H</b>	Battery charge indicator



*Optical indication proportional to the metal signal strength [Low, Medium, High]*





## ORDERING INFORMATION

PD140E part # PD140E

## PART LIST

- |   |  |
|---|--|
| 1 | PD140E Hand Held Metal Detector (batteries not included) |
| 2 | Wrist strap  |
| 3 | Quick Reference Guide                                    |
| 4 | Package  |



## SPECIFICATIONS

POWER SUPPLY	2x AA size alkaline or NiMH rechargeable batteries
FULLY CUSTOMIZABLE CONTROL PANEL	Optical, acoustic and vibration alarm modes 3-level sensitivity selection buttons
BATTERY	Battery life: 100 + hours continuous service (AA alkaline batteries) Low battery indicator
OPERATING TEMPERATURE	-40°F to 158°F
STORAGE TEMPERATURE	-40°F to 176°F
RELATIVE HUMIDITY	0 to 98% (without condensation)
DIMENSIONS	14.2" x 3.2" x 1.6"
WEIGHT	0.85 lbs (with battery)
COLOR	Light grey RAL 7040
MANUFACTURED IN GREY SHOCK-RESISTANT TECHNICAL POLYMERS	
COMPLIANCE	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

PACKAGE DIMENSIONS	16" x 2.8" x 5" (WxDxH)
PACKAGE WEIGHT	1.2 lbs

## 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)

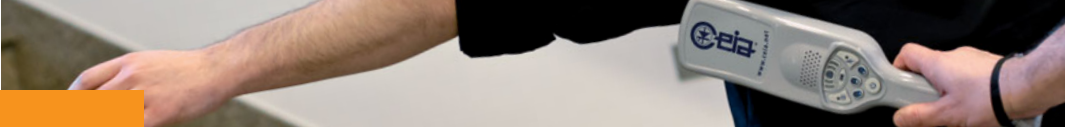


**Test Sample**  
(part # 61256)



**AA size Alkaline Batteries**  
(part # 64681)

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



**HHMD-6: SIX HAND HELD METAL DETECTOR SET**

**FEATURES**

- Fast deployment of six HHMDs set
- Minimum space requirement for multiple HHMDs transport
- Lightweight and robust construction
- Alkaline batteries and test pieces included
- Size compliant with requirement for transport in air carries cabins
- Weather-Resistant

**APPLICATIONS**

- Special Forces
- Police, Army
- High mobility applications



**ORDERING INFORMATION**

HHMD-6                      part # HHMD-6/PD140E

**SET GENERAL FEATURES**

External dimensions      17" x 7.5" x 12" (WxDxH)

Weight (including Detectors) 8.5 lbs

**PART LIST**

**QT.**

1	PD140E Hand Held Metal Detectors	6
2	NIJ compliant Calibration Test Piece	2
3	Alkaline Batteries	12 (24)*
4	Quick Reference Guide	1
5	Carry Bag	1

\* Upon request



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