



NIJ-0602.02  
COMPLIANT

# PD140E

## COMPACT HAND HELD METAL DETECTOR

- 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

The **PD140E** 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, 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. 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.

### 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 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.**

### 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.

### FULLY PROGRAMMABLE SIGNALING

- Proportional **Acoustic Alarm**
- Proportional **Optical Alarm**
- **Vibration Alarm** for Discrete Screening



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



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

## PD140E - COMPACT HAND HELD METAL DETECTOR



DETECTION AREA  
[TOP AND BOTTOM SURFACES]

CONTROL PANEL  
AND ALARM BUZZER

HANDLE

BATTERY COMPARTMENT  
SCREW-CAP

WRIST STRAP

### 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	0.86 lbs [with battery]
COLOR	Light grey RAL 7040
MANUFACTURED IN GREY SHOCK-RESISTANT TECHNICAL POLYMERS	
COMPLIANCE	Conforms to the NIJ 0602.02 and the new NIJ 0602.03 Standards for metal detection  Conforms to the international standards currently applicable for safety, EMC and to the applicable CE regulations

### ACCESSORIES

NIJ 0602.02 Test Pieces Kit:  
part # NIJ-HHMD-0602.02  
[includes 11 test objects for LO,  
MO, SO, VSO security levels]



Belt Holster: part # 64614



Test Sample: part # 61256



AA size Alkaline Batteries: part # 64681

### ORDERING CODE

PD140E

### SHIPPING INFORMATION

Package Dimensions [WxDxH]:  
14.8" x 3.5" x 2.3"  
Package Weight: 0.9 lbs

### PART LIST

- 1 PD140E Hand Held Metal Detector [batteries not included]
- 2 Wrist strap
- 3 Quick Reference Guide
- 4 Package



## HHDS-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 CODE

HHMD-6/PD140E

#### SET GENERAL FEATURES

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

Weight (including Detectors): 8.4 lbs

#### PART LIST

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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