

# PD140E

## NEW GENERATION COMPACT HAND HELD METAL DETECTOR

### 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

- ✓ Airports
- ✓ Correctional Facilities
- ✓ Law Enforcement
- ✓ Government Buildings
- ✓ Nuclear Facilities
- ✓ Loss Prevention
- ✓ Public Events
- ✓ Schools Security



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**Threat Detection through Electromagnetics**

CEIA reserves the right to make changes, at any moment and without notice, to the models (including programming), their accessories and options, to the prices and conditions of sale



## PD140E

### New Generation Compact Hand Held Metal Detector

#### ✓ 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, a digital operator interface and an external communication over the incorporated USB port. 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. It is also possible for the safety manager or the checkpoint supervisor to lock one or more operator commands.

### 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 2500 mAh) Low battery indicator
OPERATING TEMPERATURE	-40°C to 70°C
STORAGE TEMPERATURE	-40°C to 80°C
RELATIVE HUMIDITY	0 to 98% (without condensation)
DIMENSIONS	360 mm x 80 mm x 40 mm
WEIGHT	390 g (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

### Fully Programmable Signaling

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



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



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

### Ordering Information

PD Set: part # PD140E

#	Part List
1	PD140E Hand Held Metal Detector
2	Wrist strap
3	Quick Reference Guide

### 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
Alkaline Batteries: part # 64681



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