PD140N

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
- Advanced Programming Capabilities
- Indoor and Outdoor Operations

PD140N Hand Held Detection Set with carry bag

PD140N Hand Held Detection Set

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Renewable Energy

Threat Detection through Electromagnetics

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The PD140N 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.

Advantages & Benefits

- Programmable Sensitivity
- Extended Continuous Operation Time
- Automatic Low Power Mode during Screening Pauses
- Embedded Long Life Rechargeable Batteries are renewable energy and wipe out Operation Cost of Alkaline Batteries
- Embedded Fast and Reliable Battery Charger: no need of batteries removal
- Dedicated Holder acts as Minimum Space Table Stand and Mains connection for Battery Charge
- Operator Functions can be standard or customized by the user through PC GUI and USB connection

Compact, Elegant, Robust and Ergonomic

The PD140N 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.

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.
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 PD140N 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 PD140N 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.

Advanced Control Panel

The control panel with switches and warning lights is made from high-thickness silicon guaranteeing high degree of protection to make the PD140N suitable for indoor and outdoor use.

Advanced Alarm Indication

The alarm signalling modes include: optical alarm which is fixed or is proportional to the intensity of the detection signal; acoustic alarm with a constant tone or 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.

Extended Continuous Operation Time

The PD140N metal detector is powered by two AA-size NiMH batteries with a battery life of over 100 hours. A Low Power Mode is automatically activated during pauses, extending the battery life up to 200 hours. An internal circuit optimizes battery recharging which takes less than five hours.

Sophisticated Communication Capabilities

The digital design of the new metal detector also enables the maximum flexibility in selecting how detection alarms are signalled. Users can keep the factory settings or connect the detector over its USB to a PC and then personalise the settings with a dedicated graphic interface.
**PD140N New Generation**

Compact Hand Held Detection Set

### Specifications

**POWER SUPPLY**
2x AA size NiMH, rechargeable batteries

**FULLY CUSTOMIZABLE CONTROL PANEL**
Optical, acoustic and vibration alarm modes

**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**
-35°F to 158°F

**STORAGE TEMPERATURE**
-35°F to 176°F

**RELATIVE HUMIDITY**
0 to 98% (without condensation)

**DIMENSIONS**
- PD140N: 14.2” x 3.2” x 1.6”
- HHDS Docking station: 6.9” x 4.5” x 3.4”
- Carry Bag: 17” x 13.4” x 4.1”

**WEIGHT**
- PD140N (with battery): 0.85 lbs
- HHDS Docking station for PD140N (with power adapter): 1.6 lbs
- Carry Bag: 2.3 lbs
- Detection Set Package: 4.8 lbs

**COLOR**
PD140N: light grey RAL 7040 - Carry Bag: green RAL 7013

**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

### Ordering Information

**PD Set:** part # PD140N-SET

**Accessories**

- NIJ 0602.02 Test Pieces Kit: part # NIJ-HHMD-0602.02 (includes 11 test objects for LO, MO, SO, VSO security levels)
- Carry Bag: part # 64081
- HHMD Configuration tool: part # 63537

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### Applications

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

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PD140N Set

PD140N Set inside the Carry Bag

HHMD Configuration tool

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