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 Configuration Capability
- Indoor and Outdoor Operations

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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. 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 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 inspection field transmitter-receiver based on Digital Signal Processing (DSP) technology, a digital operator interface and external communications over the incorporated USB port. This design combined with a special printed antenna ensures top reliability and very high repeatability.

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.

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.

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 CONFIGURATION CAPABILITY

The digital design of the new metal detector also enables the maximum flexibility in selecting the functions available to the user and how detection alarms are signalled. Users can keep the factory settings or connect the detector over its USB to a PC and then personalize the settings with a dedicated graphic interface (HHMD configuration tool required).

FULLY PROGRAMMABLE SIGNALING

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

Main Menu

Optical indication proportional to the metal signal strength (Low, Medium, High).
PD140N New Generation
COMPACT HAND HELD DETECTION SET

SPECIFICATIONS

POWER SUPPLY
2x AA size NiMH, rechargeable batteries

FULLY CUSTOMIZABLE
Optical, acoustic and vibration alarm modes
CONTROL PANEL
3-level sensitivity selection buttons

DETECTION AND
Customizable via HHMD Configuration tool
OPERATIONAL FUNCTIONS

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
-40°F to 158°F

STORAGE TEMPERATURE
-40°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): 0.86 lbs
HHDS Docking station for PD140N (with power adapter): 1.6 lbs
Carry Bag: 2.9 lbs

COLOR
PD140N: light grey RAL 7040 - Carry Bag: Green RAL 7013

MANUFACTURED IN GREY SHOCK-RESISTANT TECHNICAL POLYMERs

COMPLIANCE
NIJ 0602.02 and NIJ 0602.03 (draft) Standards for metal detection
International Standards currently applicable for safety, EMC and applicable CE regulations

APPLICATIONS

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

Ordering Code
PD140N-SET

Shipping Information
Dimensions 17” x 8.5” x 4.5” (WxDxH)
Weight 4.5 lbs

Part List
1. PD140N Hand Held Metal Detector
2. HHDS Docking station
3. Coupling pins for side-by-side docking station placement
4. NIJ compliant Calibration Test Piece
5. Universal AC adapter (100-240 Vac, 50-60Hz, 6W)
6. US, EU, UK, JP plugs adapter
7. Wrist strap
8. Instruction manual
9. Quick Reference Guide

PD140N-Set
PD140N New Generation
COMPACT HAND HELD DETECTION SET

ACCESSORIES

• CARRY BAG
  (part# 64081)

• BELT HOLSTER
  (part# 64614)

• HHMD CONFIGURATION TOOL
  Allows the connection of the Metal Detector to PC, via USB port.
  Includes special USB adapter with cable, GUI application software,
  tool for battery cap removal.
  (part# 63537)

• NIJ 0602.02 TEST PIECES KIT
  Includes 11 test objects for LO, MO, SO, VSO security levels.
  Test pieces are manufactured according to NIJ 0602.02
  specifications and electromagnetically certified.
  (part# NIJ-HHMD-0602.02)

• CIGARETTE LIGHTER CABLE FOR BATTERY CHARGER
  (part# 64436)

The carry bag does not include parts inside
HHDS-5: FIVE HAND HELD METAL DETECTOR DOCKING STATION

FEATURES
- Simultaneous charge of multiple HHMDs
- Single mains socket installation
- Minimum space requirement
- Monolithic, high mechanical stability

APPLICATIONS
- Public Events
- Stadiums and Sport Arenas
- Conventions
- Multiple lane screening

Ordering Code
HHDS-5

Equipment Information
- Power supply: 100-240 VAC, 50-60Hz, 30W
- Dimensions: 25” x 10” x 2.5” (WxDxH)

Shipping Information
- Dimensions: 28” x 14” x 4.5” (WxDxH)
- Weight: 7.3 lbs

Part List
1. Docking station base
2. Universal AC adapter
3. US, EU, UK, JP plugs adapter
4. Quick Reference Guide