



NIJ-0602.02
COMPLIANT

PD140ND

MINIMUM DIVESTITURE HAND HELD METAL DETECTOR

Main Features

- Detection of miniaturized electronic devices
- High immunity to the metals contained in personal clothing, including bras
- Compact, Elegant, Robust and Ergonomic
- Full Digital Design: consistent performance and calibration-free operations
- Indoor and Outdoor Operations



RENEWABLE
ENERGY



GSA Contract Holder

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Threat Detection through Electromagnetics

The **PD140ND** is a lightweight portable metal detector capable to localize **threats** and **miniaturized cell phones** concealed or carried on a person, while **discriminating the metals contained in bras and in personal clothing**.

This allows effective inspections without requiring the removal of clothing.

ADVANTAGES & BENEFITS

- Programmable Sensitivity
- Extended Continuous Operation Time
- Automatic Low Power Mode during Screening Pauses
- Embedded Long Life Rechargeable Batteries are renewable energy and eliminate the Operation Cost of Alkaline Batteries
- Embedded Fast and Reliable Battery Charger: no need of batteries removal
- Operator Functions can be standard or customized by the user through PC GUI and USB connection



COMPACT, ELEGANT, ROBUST AND ERGONOMIC

The **PD140ND** 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.

ADVANCED CONTROL PANEL

The control panel with buttons and warning lights is made from high-thickness silicon guaranteeing a high degree of protection to make the **PD140ND** suitable for indoor and outdoor use.

FULLY PROGRAMMABLE SIGNALING

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



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

Sensitivity selection



L level: Detection of **large metal targets**
[excellent immunity to metal inside bras]



M level: Detection of **medium metal targets**
[good immunity to metal inside bras]



H level: Detection of **small metal targets**
[NIJ-0602.02 compliant]



- 1 Alarm buzzer
- 2 Optical indicator
- 3 Battery level indicator
- 4 Selection of the acoustic alarm signal
- 5 Selection of the vibrating alarm signal
- 6 Sensitivity selection
- 7 ON/OFF switch



ACCESSORIES

CARRY BAG

The carry bag does not include parts inside.



HHDS-5

Five Hand Held Metal Detector docking station. HHMDs units not included [part# HHDS-5]



BRA DEMONSTRATION TEST SET

- 1 Miniaturized cell phone
- 2 Bra simulant
- 3 Foam spacers:
 - ▶ Apply 1 spacer to bra simulant for testing **L** level
 - ▶ Apply 2 spacers to bra simulant for testing **M** level



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.



BELT HOLSTER



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.



CIGARETTE LIGHTER CABLE FOR BATTERY CHARGER



SPECIFICATIONS

POWER SUPPLY	2x AA size NiMH, rechargeable batteries																
FULLY CUSTOMIZABLE CONTROL PANEL	Optical, acoustic and vibration alarm modes 3-level sensitivity selection buttons																
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	PD140ND: -40°F to 158°F HHDS AC/DC adapter: 32°F to 104°F																
STORAGE TEMPERATURE	-40°F to 176°F																
RELATIVE HUMIDITY	0 to 98% (without condensation)																
DIMENSIONS	PD140ND: 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	PD140ND (with battery): 0.86 lbs HHDS Docking station (with power adapter): 1.6 lbs CARRY BAG: 2.9 lbs																
COLOR	PD140ND: 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																
ACCESSORIES	<table> <tr> <th></th><th>Part#</th></tr> <tr> <td>Carry Bag</td><td>64081</td></tr> <tr> <td>Bra demonstration test set</td><td>108437</td></tr> <tr> <td>NIJ 0602.02 Test Pieces Kit</td><td>NIJ-HHMD-0602.02</td></tr> <tr> <td>HHDS-5</td><td>HHDS-5</td></tr> <tr> <td>Belt Holster</td><td>64614</td></tr> <tr> <td>HHMD Configuration tool</td><td>63537</td></tr> <tr> <td>Cigarette lighter cable for battery charger</td><td>64436</td></tr> </table>		Part#	Carry Bag	64081	Bra demonstration test set	108437	NIJ 0602.02 Test Pieces Kit	NIJ-HHMD-0602.02	HHDS-5	HHDS-5	Belt Holster	64614	HHMD Configuration tool	63537	Cigarette lighter cable for battery charger	64436
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ORDERING CODE

PD140ND-SET

SHIPPING INFORMATION

- Dimensions [WxDxH]: 17.7" x 12.8" x 4.5"
- Weight: 4.4 lbs

- 1 PD140ND 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



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