



NSN: 6665150114797

NIJ STANDARD -
0602.02
COMPLIANT

PD240

WIDE SEARCH AREA HAND-HELD METAL DETECTOR

- **WIDE SEARCH AREA** for faster and accurate screening operations
- **HIGH IMMUNITY** to floor rebars allows lower-body screening without Sensitivity Reduction
- **UNIFORM DETECTION** of magnetic and non-magnetic targets
- **FULL DIGITAL DESIGN:** consistent performance and calibration-free operations
- **PROGRAMMABLE SENSITIVITY**
- **DETECTION OF RADIOACTIVE SUBSTANCES** and **MATERIALS** [option]
- **ELEGANT, ROBUST** and **ERGONOMIC**
- **INDOOR** and **OUTDOOR** Operations



PD240 HAND HELD DETECTION SET WITH CARRY BAG



RENEWABLE
ENERGY



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Threat Detection through Electromagnetics

The PD240 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
- Long Detection Range
- 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 for removal of batteries
- Dedicated Docking Station acts as Table Stand and Mains connection for Battery Charge
- Operator Functions can be standard or customized by the user through PC GUI and USB connection



ELEGANT, ROBUST AND ERGONOMIC

The PD240 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.

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 PD240 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



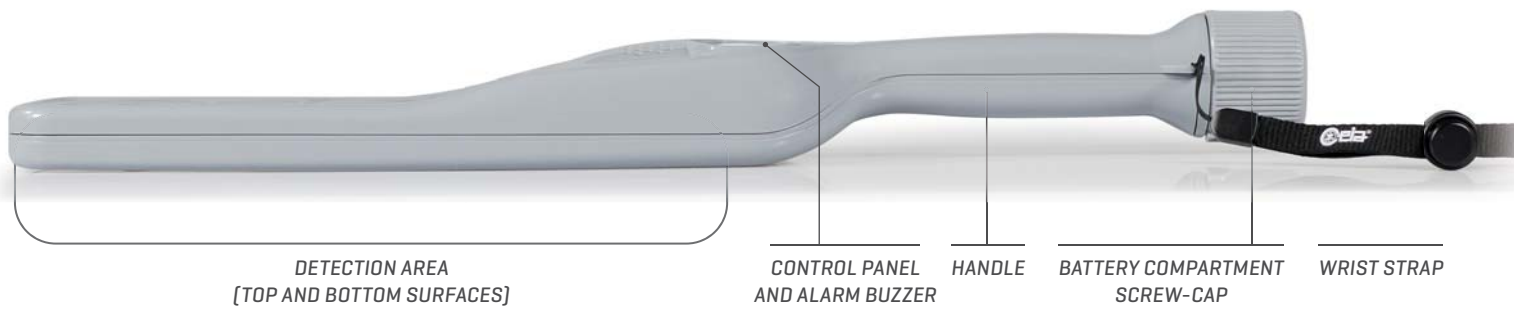
Optical indication proportional to the metal signal strength [Low, Medium, High].



Optical indication proportional to the radioactive substance signal strength.



- 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



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 PD240 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.

EXTENDED CONTINUOUS OPERATION TIME

The PD240 is powered by two AA-size NiMH batteries with a **battery life of over 100 hours**. A Low Power Mode is automatically activated during periods of inactivity, extending the battery life up to 200 hours. An internal circuit optimizes battery recharging which takes less than five hours.

HIGH IMMUNITY TO FLOOR REBARS

The PD240 incorporates innovative technical solutions which make it possible to operate much closer to floors with steel reinforcement bars than was previously possible with conventional hand-held detectors. All this without any reduction in sensitivity.



FULL DIGITAL DESIGN

The PD240 is **fully digital**. Electronic functions include an 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**.

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 **personalize the settings with a dedicated graphic interface**.






MAIN MENU



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	-40°C to 70°C
STORAGE TEMPERATURE	-40°C to 80°C
RELATIVE HUMIDITY	0 to 98% [without condensation]
DIMENSIONS	PD240: 430 mm x 80 mm x 40 mm HHDS Docking station: 175 mm x 115 mm x 85 mm Carry Bag: 430 mm x 340 mm x 105 mm
WEIGHT	PD240 [with battery]: 470 g HHDS Docking station [with power adapter]: 755 g Carry Bag: 1,3 kg
COLOR	PD240: 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

Carry Bag		code 64081
NIJ 0602.02 Test Pieces Kit [includes 11 test objects for LO, MO, SO, VSO security levels]		code NIJ-HHMD-0602.02
Belt Holster		code 64614
HHMD Configuration tool		code 63537
Cigarette lighter cable for battery charger		code 64436

ORDERING CODE

PD240 code PD240-SET

SHIPPING INFORMATION

Dimensions (mm): 450 x 325 x 115 [WxDxH]

Weight: 2.2 kg

PD240-SET: PART LIST

- 1 PD240 Hand Held Metal Detector [batteries included]
- 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



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



EQUIPMENT INFORMATION

Power supply:
100-240 Vac, 50-60Hz, 30W
Dimensions [WxH]: 635 mm x 71 mm

SHIPPING INFORMATION

Dimensions [WxDxH]:
711 mm x 350 mm x 110 mm
Weight: 3.3 kg

PART LIST

- 1 Five Hand Held Metal Detector docking station base
- 2 Universal AC adapter
- 3 US, EU, UK, JP plugs adapter
- 4 Quick Reference Guide





PD240 WIDE SEARCH AREA HAND-HELD METAL DETECTOR



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