PD240CB

LONG-RANGE HAND-HELD
METAL DETECTION SET

NEW

- Long detection range for standoff inspection
- Exceeds the NIJ Standard - 0602.02 detection requirements
- Search operations allowed even in close proximity of metal reinforced floors
- Large search area
- Uniform detection of magnetic and non-magnetic targets
- Full Digital Design: consistent performance and calibration-free Operations
- Elegant, robust and ergonomic
- Indoor and outdoor operations

DUAL-TONE AND **DUAL-COLOR DISPLAY** FOR *HIGH PRECISION PINPOINTING*

EXCEPTIONAL IMMUNITY TO *ENVIRONMENTAL INTERFERENCE*

GSA Contract Holder

CERTIFIED SAFETY ACT

Ceia USA

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Threat Detection through Electromagnetics

The PD240CB is a Hand Held Metal Detector that combines high reliability and ergonomics with advanced detection and operator signaling features.

Long detection range for weapons and minimum metal targets, effective sensitivity to all alloys, exceeds the latest Security Standards and has high immunity to external metal masses.

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

RENEWABLE ENERGY

ELEGANT, ROBUST AND ERGONOMIC

The *PD240CB* 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 *PD240CB* 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

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

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

DETECTION AREA
(TOP AND BOTTOM SURFACES)

CONTROL PANEL
AND ALARM BUZZER

HANDLE

BATTERY COMPARTMENT
SCREW-CAP

WRIST STRAP

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 *PD240CB* 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 *PD240CB* 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.
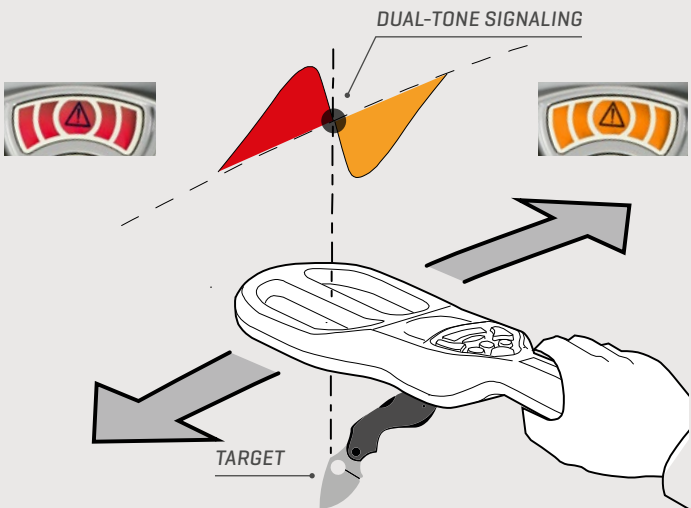
EXTENDED CONTINUOUS OPERATION TIME

The *PD240CB* is powered by two AA-size NiMH batteries with a **battery life of over 50 hours**. A Low Power Mode is automatically activated during periods of inactivity, extending the battery life up to 100 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 **personalize the settings with a dedicated graphic interface**.

DUAL-TONE AND DUAL-COLOR DISPLAY

DUAL-TONE SIGNALING

TARGET

Dual-Tone Pinpointing for high precision metal objects localization.

HIGH IMMUNITY TO ENVIRONMENTAL INTERFERENCES

The PD240CB 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.

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 — 50 + hours continuous service (AA NiMH batteries 2500 mAh); up to 100 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	PD240CB: 16" x 4.7" x 1.6"
	HHDS Docking station: 6.9" x 4.5" x 3.4"
	Carry Bag: 17" x 13.4" x 4.1"
WEIGHT	PD240CB (with battery): 1.05 lbs
	HHDS Docking station (with power adapter): 1.6 lbs
	Carry Bag: 2.9 lbs
COLOR	PD240CB: 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: part # 64082
	NIJ 0602.02 Test Pieces Kit: part # NIJ-HHMD-0602.02 (includes 11 test objects for LO, MO, SO, VSO security levels)
	HHMD Configuration tool: part # 63537 (includes special USB adapter with cable, GUI application software)

ORDERING CODE

PD240CB-SET

SHIPPING INFORMATION

Dimensions: 17.7" x 12.8" x 4.5"
Weight: 5.1 lbs
Packages for 20 ft container: 960
Packages for 40 ft container: 2016

PD240CB-SET: PART LIST

1. *PD240CB* Hand Held Metal Detector (batteries included)
2. HHDS Docking station
3. NIJ compliant Calibration Test Piece
4. Universal AC adapter (100-240 Vac, 50-60Hz, 6W)
5. US, EU, UK, JP plugs adapter
6. Wrist strap
7. Instruction manual
8. Quick Reference Guide

CARRY BAG (# 64082)

HHMD CONFIGURATION TOOL (# 63537)

PD240CB (# PD240CB-SET)

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