



# PD240CB

## LONG-RANGE HAND-HELD METAL DETECTION SET

- 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



NEW

DUAL-TONE AND  
DUAL-COLOUR  
DISPLAY FOR  
HIGH PRECISION  
PINPOINTING

EXCEPTIONAL  
IMMUNITY TO  
ENVIRONMENTAL  
INTERFERENCE



www.ceia.net



*Threat Detection through Electromagnetics*

CEIA reserves the right to make changes, at any moment and without notice, to the models, their accessories and options, to the prices and conditions of sale.

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

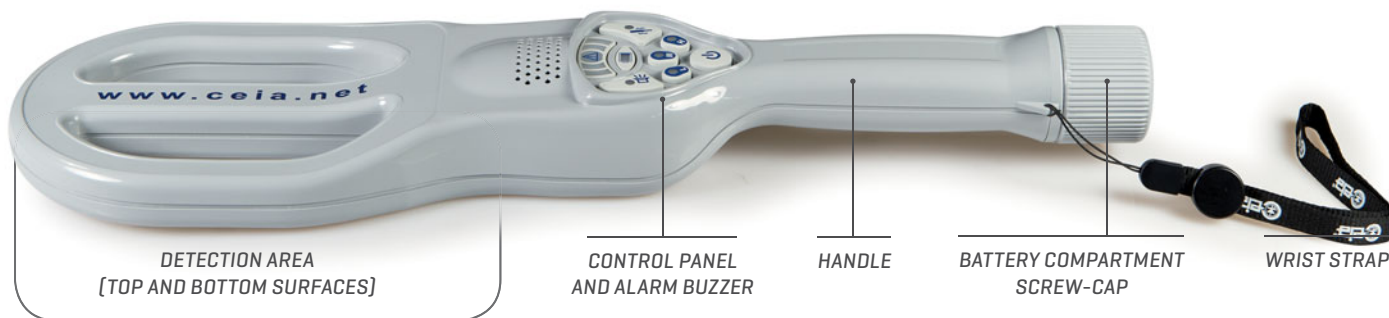
### FULLY PROGRAMMABLE SIGNALLING

- 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].



**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.

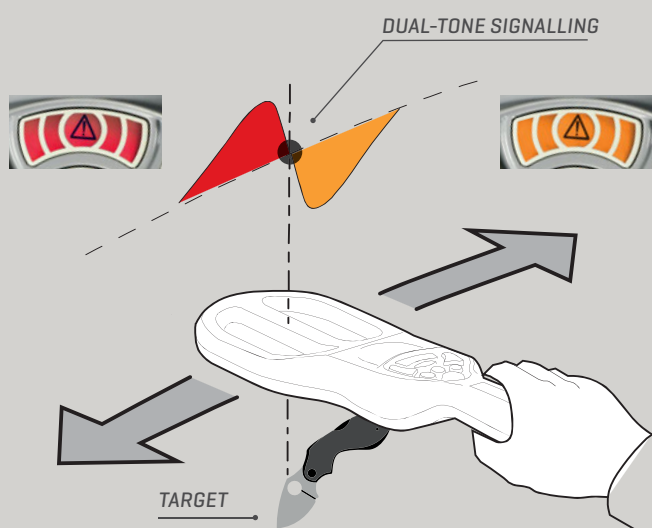
**EXTENDED CONTINUOUS OPERATION TIME**

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 optimises 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-COLOUR DISPLAY**



Dual-Tone Pinpointing for high precision metal objects localization.

**HIGH IMMUNITY TO ENVIRONMENTAL INTERFERENCE**



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

<b>POWER SUPPLY</b>	2x AA size NiMH, rechargeable batteries
<b>FULLY CUSTOMIZABLE CONTROL PANEL</b>	Optical, acoustic and vibration alarm modes 3-level sensitivity selection buttons
<b>DETECTION AND OPERATIONAL FUNCTIONS</b>	Customizable via HHMD Configuration tool
<b>BATTERY</b>	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
<b>OPERATING TEMPERATURE</b>	-40°C to 70°C
<b>STORAGE TEMPERATURE</b>	-40°C to 80°C
<b>RELATIVE HUMIDITY</b>	0 to 98% [without condensation]
<b>DIMENSIONS</b>	PD240CB: 405 mm x 120 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
<b>WEIGHT</b>	PD240CB [with battery]: 480 g HHDS Docking station [with power adapter]: 755 g Carry Bag: 1.3 kg
<b>COLOR</b>	PD240CB: light grey RAL 7040 - Carry Bag: Green RAL 7013
<b>MANUFACTURED IN GREY SHOCK-RESISTANT TECHNICAL POLYMERS</b>	
<b>COMPLIANCE</b>	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
<b>ACCESSORIES</b>	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:  
450 mm x 325 mm x 115 mm  
Weight: 2.3 kg  
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]



CEIA Zona Industriale 54/G, 52041 Vicinaggio - Arezzo [ITALY]  
T +39 0575 4181 • F +39 0575 418298 • E infosecurity@ceia-spa.com

[www.ceia.net](http://www.ceia.net)

