

# PD240CH-Z4

VERIFIED &  
VALIDATED EVEN  
IN **ZONE 4\***

## DUAL SENSING HAND-HELD FERROMAGNETIC DETECTOR FOR PATIENT SCREENING PRIOR TO MRI SCANS

### KEY FEATURES

- **LARGE SEARCH AREA** for faster and accurate screening operations
- **DUAL-TONE** and **DUAL-COLOR DISPLAY** for high precision pinpointing
- **NON-MAGNETIC CONSTRUCTION**, suitable to operate in **ZONE IV**
- **THREE MODES OF OPERATION** allow for high-performance ferrous only, detection around the head and body, or full metal detection around the whole body
- **PATIENT SAFETY** - Mitigates the risk of an RF burn occurring in the scanner due to either Ferrous or Non-Ferrous Metals
- **DUAL SENSING** - Capable of separately screening for either ferrous metallic items or any type of metallic item
- Audible and visual-magnitude alert settings
- Visual signaling combined with the audio provide feedback on the location and position of the object under alarm

**PD240CH-Z4** is a portable **Hand-held Patient Screener** that allows, according with the operator settings, the detection of magnetic metal masses only or magnetic and non-magnetic metals at the same time.

The only hand-held MRI patient screening device capable of separately detecting both ferrous and non-ferrous metallic items, the **PD240CH-Z4** provides protection from both adverse magnetic field interaction and potential RF-induced metallic heating.

**PD240CH-Z4** is designed to be entirely non-ferromagnetic, therefore it can be used inside the MRI room (zone 4) without the risk to be attracted or damaged by the magnets without comprising performance or creating a potential projectile risk.

\* Test Report available on request



PERSONALIZE  
THE INTERFACE,  
ENERGY-SAVING  
MODE, AND  
SENSITIVITY

GSA Contract Holder



*MRI Safety through Electromagnetics*

## PD240CH-Z4 SPECIFICATIONS

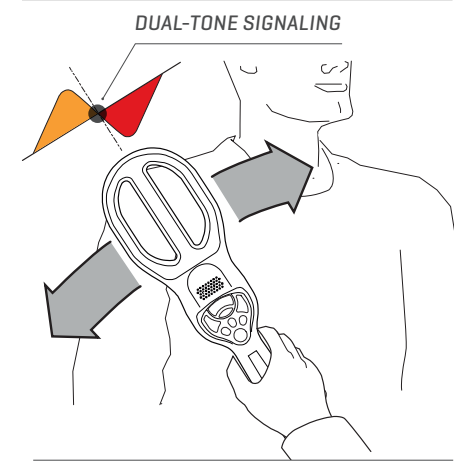
<b>POWER SUPPLY</b>	2 x AA size LS14500 very low ferromagnetic Lithium batteries		
<b>CONTROL PANEL</b>	Optical and acoustic signalling modes		
<b>3-LEVEL SENSITIVITY selection</b>	ALL METALS [magnetic and non-magnetic metals]		
	BODY [small magnetic metals]		
	HEAD [very small magnetic metals]		
<b>DETECTION AND OPERATIONAL FUNCTIONS</b>	Customizable via HHMD Configuration tool		
<b>BATTERY</b>	<b>BATTERY LIFE</b> [AA LS14500 batteries]	ALL METALS	> 100 hours
		BODY	> 50 hours
		HEAD	> 50 hours
	Low battery indicator		
<b>OPERATING TEMPERATURE</b>	-35°F to 158°F		
<b>STORAGE TEMPERATURE</b>	-35°F to 176°F		
<b>RELATIVE HUMIDITY</b>	0 to 98% (without condensation)		
<b>DIMENSIONS</b>	<b>PD240CH-Z4</b>	15.9" x 4.7" x 1.6"	
	Carry Bag	17" x 13.4" x 4.1"	
<b>WEIGHT</b>	<b>PD240CH-Z4</b>	0.93 lbs (with battery)	
	Carry Bag	5 lbs (with equipment)	
<b>COMPLIANCE</b>	Conforms to the applicable international standards for safety, EMC and to the applicable CE regulations		
<b>SAFETY FEATURES</b>	Manufactured in shock-resistant technical polymers		
	Full non-magnetic construction, suitable to operate in Zone 4 [with magnets up to 3T] and in proximity of the magnet		
	Operability and safety of the device have been verified with magnets up to 3T. The test report is available on request.		
<b>PD240CH-Z4 DETECTING SET</b>	1	Hand-held Patient Screener	
	2	4 low ferromagnetic primary batteries	
	3	Detection Verification Test Piece: part # 72131	
	4	Discrimination Verification Test Piece: part # 72132	
	5	Instruction manual	
	6	Certificate of Calibration	
	7	Carry bag	
<b>OPTIONS / ACCESSORIES</b>	<b>PATIENT SCREENER CONFIGURATION TOOL:</b> setting up the Hand-held Patient Screener via USB PC-HHMD connecting cable and GUI application software: part # 63537		



### ANALYSIS MODE SELECTION

- ALL METALS**
  - High sensitivity to all types of metals (implanted medical devices, prostheses, metal splinters)
- BODY**
  - High sensitivity to small ferromagnetic metals (ferromagnetic fragments, surgical instruments)
  - Insensitive to large non-magnetic metal items (large prostheses)
- HEAD**
  - High sensitivity to very small ferromagnetic metals (small ferromagnetic fragments)
  - Insensitive to medium size non-magnetic metal items (non-ferromagnetic dental implants, small prostheses)

### DUAL-TONE & DUAL-COLOR DISPLAY



**DUAL-TONE PINPOINTING**  
for high precision metal objects localization.