

PD240CH-Z4



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




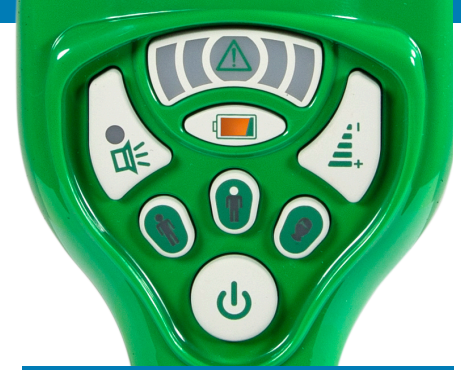
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MRI Safety through Electromagnetics

PD240CH-Z4 SPECIFICATIONS

POWER SUPPLY	2 x AA size LS14500 very low ferromagnetic Lithium batteries		
CONTROL PANEL	Optical and acoustic signalling modes		
3-LEVEL SENSITIVITY selection	<ul style="list-style-type: none"> ▪ ALL METALS [magnetic and non-magnetic metals] ▪ BODY [small magnetic metals] ▪ HEAD [very small magnetic metals] 		
DETECTION AND OPERATIONAL FUNCTIONS	Customizable via HHMD Configuration tool		
BATTERY	BATTERY LIFE [AA LS14500 batteries]	<ul style="list-style-type: none"> ▪ ALL METALS > 100 hours ▪ BODY > 50 hours ▪ HEAD > 50 hours 	
	Low battery indicator		
OPERATING TEMPERATURE	-35°F to 158°F		
STORAGE TEMPERATURE	-35°F to 176°F		
RELATIVE HUMIDITY	0 to 98% (without condensation)		
DIMENSIONS	PD240CH-Z4	15.9" x 4.7" x 1.6"	
	Carry Bag	17" x 13.4" x 4.1"	
WEIGHT	PD240CH-Z4	0.93 lbs (with battery)	
	Carry Bag	5 lbs (with equipment)	
COMPLIANCE	Conforms to the applicable international standards for safety, EMC and to the applicable CE regulations		
SAFETY FEATURES	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.		
PD240CH-Z4 DETECTING SET	<ol style="list-style-type: none"> 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 		
OPTIONS / ACCESSORIES	PATIENT SCREENER CONFIGURATION TOOL: setting up the Hand-held Patient Screener via USB PC-HHMD connecting cable and GUI application software: part # 63537		



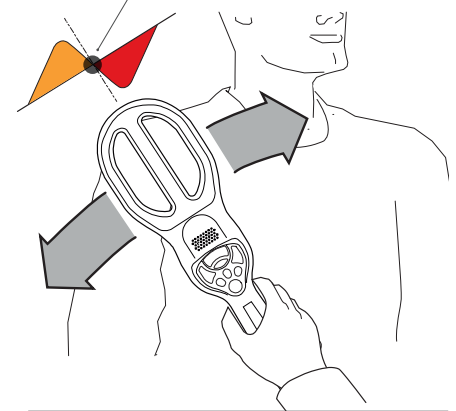
ANALYSIS MODE SELECTION

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ALL METALS
 - High sensitivity to all types of metals (implanted medical devices, prostheses, metal splinters)
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BODY
 - High sensitivity to small ferromagnetic metals (ferromagnetic fragments, surgical instruments)
 - Insensitive to large non-magnetic metal items (large prostheses)
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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 SIGNALING



DUAL-TONE PINPOINTING for high precision metal objects localization.



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