

PD240CH-Z4

VERIFIED &
VALIDATED EVEN
INSIDE THE
MAGNET ROOM*

DUAL SENSING HAND-HELD FERROMAGNETIC DETECTION SYSTEM FOR PATIENT SCREENING PRIOR TO AN MRI EXAM

- **NON-MAGNETIC CONSTRUCTION, SUITABLE TO OPERATE INSIDE THE MAGNET ROOM**
- **HIGH PRECISION PINPOINTING** by dual-tone audio signalling & dual-colour display
- **LARGE SEARCH AREA** for faster and accurate screening operations
- **THREE MODES OF OPERATION**
allow for high-performance ferrous detection, head or full body, or full metals detection in full body
- **PATIENT SAFETY** - Mitigates the risk of an RF burn occurring in the scanner due to either Ferrous or Non-Ferrous Metals
- **DUAL SENSING** - Separate screening for ferrous metallic items or any type of metallic item
- Audible and visual-magnitude alert settings
- Visual signalling 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 ferromagnetic and non-ferromagnetic metals**, the **PD240CH-Z4** Hand-held Patient Screener 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



CUSTOMIZABLE
INTERFACE,
ENERGY-SAVING
MODE, AND
SENSITIVITY

GSA Contract Holder



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MRI Safety through Electromagnetics

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 [ferromagnetic and non-ferromagnetic metals] ▪ BODY [small ferromagnetic metals] ▪ HEAD [very small ferromagnetic 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 ▪ FERROUS METALS BODY: > 50 hours ▪ FERROUS METALS HEAD: > 50 hours
	Low battery indicator	
ENVIRONMENTAL DATA	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-ferromagnetic construction, suitable to access Zone 4 [with magnets up to 7T] and in proximity of the magnet	
	The safety of the device has been verified with magnets up to 7T. The test report is available on request	

PD240CH-Z4 DETECTING SET

- 1 Hand-held Patient Screener
- 2 2+2 AA size non-magnetic batteries: part# 94810 [2 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



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-ferromagnetic implanted medical devices (large prostheses)

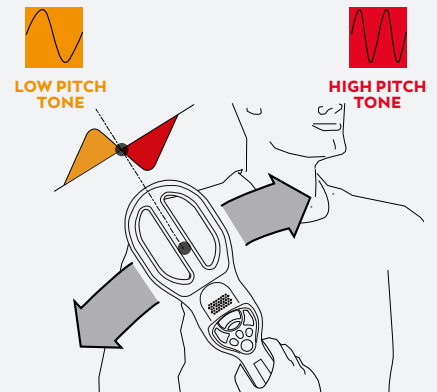


HEAD

- High sensitivity to very small ferromagnetic metals (small ferromagnetic fragments)
- Insensitive to medium size non-ferromagnetic implanted medical devices (non-ferromagnetic dental implants, small prostheses)

HIGH PRECISION PINPOINTING

DUAL-TONE AUDIO SIGNALING



DUAL-COLOR DISPLAY



Both features provide a feedback that allows high-precision localization of metal objects.



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