

PD240CH

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

- **LARGE SEARCH AREA**
for faster and accurate screening operations
- **HIGH PRECISION PINPOINTING**
by dual-tone audio signalling & dual-colour display
- **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, silent-vibration, and visual-magnitude alert settings
- Customizable interface, energy-saving mode, and sensitivity
- Embedded Long Life Rechargeable Batteries are renewable energy and eliminate the Operational Cost of Alkaline Batteries

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

Designed as a safer and more convenient than similar alternatives, the lightweight portable patient screener has **three analysis modes and a control interface that can be personalized** to refine analysis capabilities based on specific patient needs.



RENEWABLE
ENERGY

GSA Contract Holder



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MRI Safety through Electromagnetics

SPECIFICATIONS



POWER SUPPLY	PD240CH	2 x AA size Ni-MH, 2500mAh rechargeable batteries
	HHDS-CH DOCKING STATION	AC/DC adapter: 100-240V~, 50-60Hz, 175 mA max
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 NiMH batteries 2500mAh]	<ul style="list-style-type: none"> ▪ ALL METALS: > 50 hours ▪ FERROUS METALS BODY: > 20 hours ▪ FERROUS METALS HEAD: > 20 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	15.9" x 4.7" x 1.6"
	HHDS-CH DOCKING STATION	6.9" x 4.5" x 3.4"
	CARRY BAG	17" x 13.4" x 4.1"
WEIGHT	PD240CH	1 lb [with battery]
	HHDS-CH DOCKING STATION	1.66 lbs [with power adapter]
	CARRY BAG	6.3 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
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PD240CH DETECTING SET

- 1 Hand-held Patient Screener
- 2 HHDS-CH desktop docking station
- 3 Detection Verification Test Piece: part # 72131
- 4 Discrimination Verification Test Piece: part # 72132
- 5 Instruction manual / Certificate of Calibration
- 6 Universal AC adapter
- 7 US, EU, UK, JP plugs
- 8 Extensible restraint cable
- 9 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)

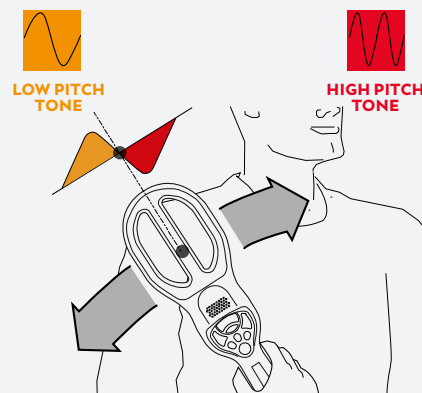


HEAD

- 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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