

PD240CH

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
- **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, silent-vibration, and visual-magnitude alert settings
- Visual signaling combined with the audio provide feedback on the location and position of the object under alarm
- Personalize the interface, energy-saving mode, and sensitivity
- Embedded Long Life Rechargeable Batteries are renewable energy and eliminate the Operation Cost of Alkaline Batteries

The only hand-held MRI patient screening device capable of separately detecting both ferrous and non-ferrous metallic items, 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.



GSA Contract Holder



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MRI Safety through Electromagnetics

PD240CH SPECIFICATIONS

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| POWER SUPPLY | PD240CH | 2 x AA size Ni-MH, 2500mAh rechargeable batteries |
| | HHDS-CH DOCKING STATION | AC/DC adapter: 100-240V~, 50-60Hz, 200 mA |
| CONTROL PANEL | Optical and acoustic signalling modes | |
| DETECTION AND OPERATIONAL FUNCTIONS | 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] |
| | Customizable via HHMD Configuration tool | |
| | BATTERY | BATTERY LIFE [AA NiMH batteries 2500mAh] |
| | 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 | 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 | |
| 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 | |



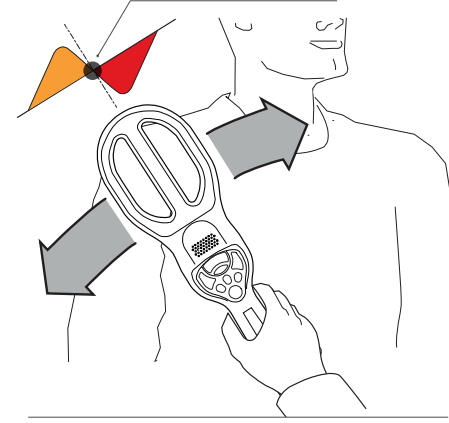
ANALYSIS MODE SELECTION

- 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-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 SIGNALING



DUAL-TONE PINPOINTING for high precision metal objects localization.



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