

MSDH

PORTABLE FERROMAGNETIC DETECTOR FOR THE SAFETY OF PEOPLE AND SYSTEMS IN MRI FACILITIES

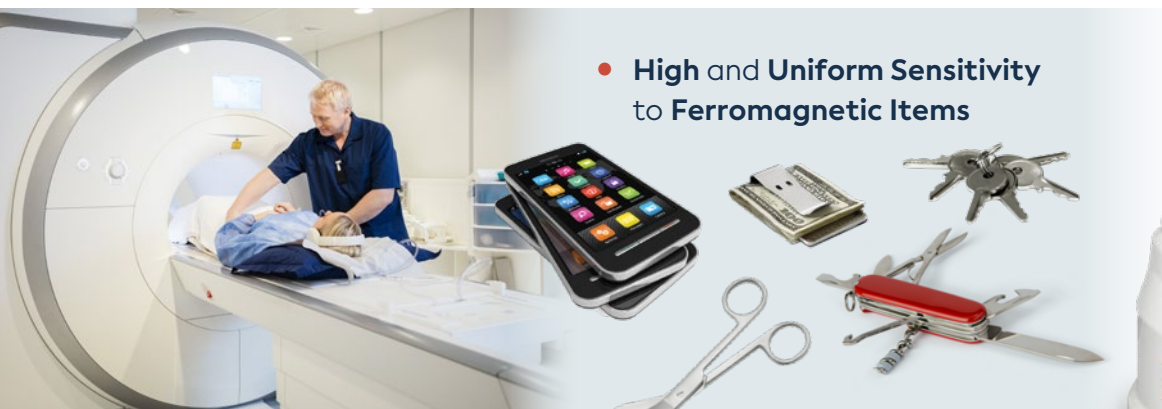


- **Preventive Detection of ferromagnetic and magnetized objects** which can cause a “projectile effect” in the MRI room
- Accurate localization at 360° by means with **multi-zone acoustic** and **optical alarm signaling**
- **Extremely durable design** including stainless steel and high impact reinforced plastics
- It can operate in any location in **zone I, II or III**
- **Up to 70,000 Events** can be recorded locally (**FIFO Logger**) with traceability of the alarms, programming modifications and diagnostics
- **Programming** of operational parameters and **downloading of data logger** by smartphone or portable PC
- Built-in battery power supply with 26-Hour battery LIFE or with AC/DC external adapter

HIGH AND UNIFORM SENSITIVITY TO FERROMAGNETIC ITEMS

ONE-PIECE AND LIGHTWEIGHT DESIGN (TOTAL WEIGHT ONLY 21 LBS)

READY TO USE, NO INSTALLATION REQUIRED



- **High and Uniform Sensitivity to Ferromagnetic Items**



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GSA Contract Holder

THREAT DETECTION THROUGH ELECTROMAGNETICS

SPECIFICATIONS



CONTROLS AND INDICATORS

ON/OFF push-button

4-key keypad, for programming and status readout

Programming of operational parameters and downloading of data logger by smartphone or portable PC

SECURITY: Password protected programming at User and Supervisor level

MULTI-COLOR STATUS AND ALARM WARNING LIGHT

- GREEN LIGHT** • Normal operation, no alarm
- YELLOW LIGHT** • Detection of ferromagnetic object below alarm threshold
- RED LIGHT** • Detection of ferromagnetic object above alarm threshold: Full height alarm indication, Indication proportional to signal intensity, Alarm indication with 5 different localization zones, Full height alarm indication, followed by zonal signaling
- BLUE LIGHT** • Blinking light: diagnostics alarm
- Connecting BT device in progress

ALARM SOUNDER

- Alarm indication for target over the alarm threshold: Fixed tone, Tone proportional to signal intensity, Single pulse for pinpointing target
- Alarm tone can be selected, continuous and intermittent
- Self-diagnostics signal: intermittent tone

BT headset (ACCESSORY)

- Copies all acoustic indications, with the addition of checking BT connection

POWER SUPPLY	AC/DC ext. power adapter	100 ... 240 V~ , 47...63Hz, 40W
	Embedded rechargeable battery	16h typical / 17h max. of continuous operation with 3 h battery charge 24h typical / 26h max. of continuous operation with 4.5 h battery charge

DETECTOR ENVIRONMENTAL CONDITIONS	Working temperature	14 to 149°F
	Storage temperature	-35 to 158°F
	Relative humidity	0 to 95%, non-condensing

WEIGHT MSDH: 21 lbs • Carrying case: 1.5 lbs • AC/DC adapter: 1.6 lbs • Installation kit: 0.6 lbs • BT kit: 0.5 lbs (includes battery charger)

MSD DIMENSIONS Height: 75" / Width: 13"

SHIPPING INFORMATION	Dimensions (WxDxH)	16" x 79" x 19"
	Weight	53 lbs

DEGREE OF PROTECTION IP65 for indoor and outdoor use

AVAILABLE ACCESSORIES	EVO function activation	88918
	BT wireless audio function activation. Includes a headset with AC/DC charger	88919

MSD-RRU Remote Relay Unit MSD-RRU

App CEIA FMD: the application allows monitoring of the device, adjustment of the settings and downloading of data logger. Available on Google Play™. REQUIREMENTS: Android™ 7.0* or later. BT interface available

Solid rubber feet 88917

MSD Demo Kit: Kit of demonstration objects, consisting of: BT wireless headset • Hair pins • Hospital pager • Magnet • Medical scissors • Micro cell phone • Micro smartphone • Needle • Razor blades • Transceiver • Voice recorder 89052

MSD Maintenance Kit: Set of main spare parts and necessary tools 89051

MSD Training Kit: Set of innocuous items tampered creating a concealed space for hiding small size threat objects. 89054

Standing mat: self-adhesive mat with indication of position and rotation 94590

COMPLIANCE Safe for use for pacemakers and other medical implants

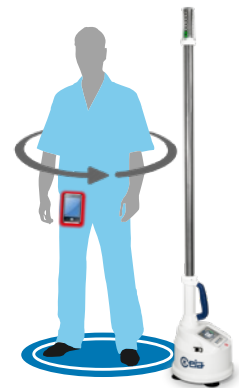
Compliant with the applicable electromagnetic Standards on Human Exposure and pacemaker safety

Compliant with and certified to the applicable International Standards for electrical safety and EMC

STANDALONE CONFIGURATION



PASS-BY OPERATION



ROTATE-BY OPERATION

PASS-THROUGH CONFIGURATION



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CEIA USA reserves the right to make changes, at any moment and without notice, to the models (including programming), their accessories and options, to the prices and conditions of sale - DP220K0006v3000uUS (2023)