

Description:

Ferroguard Screener is an advanced ferromagnetic detection safety system for MRI facilities. It is installed in Zone 2, in or close to the patient changing/preparation area. Its purpose is to alert facility staff to the presence of the smallest ferromagnetic risk items on patients or staff members who will be entering Zone IV. Ferroguard Screener’s industry leading Fluxgate sensors ensure that the smallest ferromagnetic risk items are detected, protecting against projectile incidents, and reducing the probability of time wasting ferromagnetic artefacts. Ferroguard Screener alerts staff to the presence of ferromagnetic risk items through the clear visual alert. The system is also fitted with an audible alert, which may be configured on/off and may have volume adjusted as required.

The wall mounted Ferroguard Screener contains highly sensitive magnetometers that detect changes in the MRI fringe field caused by the presence of moving ferromagnetic objects in their vicinity. The magnetometers are passive. They monitor magnetic fields only and do not emit any magnetic field themselves.

Ferroguard Screener is installed by Metrasens approved installation engineers.

Power supply:

Ferroguard Screener requires AC power connection through a standard 100-240V wall outlet. The AC power is connected to the system power supply unit

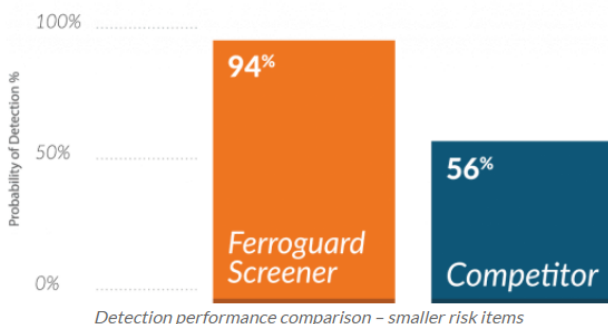
Voltage Input	100-240 VAC, 47-63Hz
Current draw	750mA Max

Environmental Conditions:

- Ferroguard Screener is to be operated indoors only (pollution degree 2)
- It can be operated at any altitude up to 2000m

Physical Specifications:

- Ambient temperature 5°C to 40°C humidity 20% to 90% (non condensing)
- Permitted voltage range 100 V AC to 240 V AC, 47 to 63 Hz
- Temporary overvoltage must not exceed 264 V
- Equipment will withstand transient overvoltages in accordance with category 2 of IEC 60364-4-443



DETECT THE RISKS OTHER SYSTEMS MISS

Independent testing-laboratory study³ comparing the performance of Ferroguard Screener in detecting smaller, commonly encountered risk items, against the performance of the other most frequently seen whole-body FMDS.

Only Ferroguard Screener uses Fluxgate sensors, making it the most sensitive FMDS available (minimum detectable magnetic signal, 80 pTesla, 0.8 µGauss). Despite its compact design, it’s super-sensitive to smaller risk-items all the way from the top-of-the-head to the tip-of-the-toes of the tallest patient.