

MRI safety through technology, education and support



Take MRI Zone 4 safety to a new level with Ferroguard Assure

With increasing pressure on patient throughput, and the move towards stronger 3T magnets, it has never been more important to protect your staff, patients and facility with the world's premier Zone 4 safety package.

The costs of undetected ferromagnetic objects

When a ferromagnetic object enters an MRI's magnetic fringe field, it becomes a fast moving projectile. The results may be disruptive and even catastrophic:



- Serious, even life-threatening, injury for staff and patients
- Reduced image quality leading to time-wasting rescans
- Serious damage to your valuable MRI technology
- Expensive reductions in patient throughput

Ferromagnetic detection – ACR and ASHE guidance

To detect these hazards the ACR recommends 'the use of ferromagnetic detection systems'.¹

And the ASHE-FGI building code requires provision to be made for 'ferromagnetic detection and warning systems'.²

Detect ferrous hazards before the door...

Ferroguard Assure uses unique, intuitive **V**isual **E**arly **W**arning (ViEW®) technology, the **only** ferromagnetic detection system to provide a clear early warning **before** a ferrous object reaches the doorway.



...not beyond the door

- Largest detection radius available
- Visual alerts warn staff well before the MRI door
- The more ferromagnetic – and more dangerous – the ferrous object the earlier the warning
- Provides plenty of time to stop and react before an accident occurs
- Back-up threshold alarm gives extra protection
- NEW Smart Alarm™ dramatically reduces extraneous audible alarms

Ferroguard Assure – leading the way in MRI safety

Demonstrate your commitment to MRI safety by choosing Ferroguard Assure for an all encompassing combination of technology, education and support.

Consistent and reliable ferromagnetic detection

Ferroguard is the only FMD to use industry leading Fluxgate technology. With the Fluxgate technology in Ferroguard Assure you can be confident that all ferrous risks are detected **BEFORE** the MRI door.

Intuitive visual alerts



Ferroguard Assure's alert system is simple to understand:

- GREEN** – Pass safely to Zone 4.
- AMBER** – Caution, ferromagnetic material detected. Check before proceeding.
- RED** – Stop. Significant ferromagnetic material detected.

Outstanding design quality

Ferroguard Assure is manufactured from robust, durable aluminum and styled to meet the high esthetic standards of the best MRI facilities.

Optimal operation for all door configurations



Suitable for every MRI suite, our patented dual-sensor technology is always wall-mounted **OUTSIDE** the MRI door, even with outward opening doors.

This ensures that all ferrous objects are detected **BEFORE** the MRI threshold, whatever the door configuration. Alerting in Zone 4 is simply **TOO LATE**.

All-inclusive installation support

Every MRI facility that invests in Ferroguard Assure receives our excellent installation support package:

- **Architectural and design advice and planning support**

To help you comply with the Joint Commission guidelines for new MRIs and ASHE building codes

- **Professional installation**

By our fully certified Ferroguard engineers



Ferroguard Assure offers you even more



Workflow optimizing Smart Alarm™



Ferroguard Assure uses Smart Alarm™ technology to dramatically reduce extraneous audible alarms, ensuring seamless workflow around the MRI doorway.

This decrease in alarms also helps to alleviate today's growing problem of 'alarm fatigue'.

In-depth in-service training

Provided by a Ferroguard product specialist, to help maximize safety processes and workflow.



Ongoing partnership for long-term safety

Choose Ferroguard Assure for your MRI facility and Metrasens becomes your long-term safety partner, delivering:

- **CE-accredited safety training**
Online and in-house MRI Safety training options, including CE-Certified by ASRT
- **Ferrous-free work-wear**
Advice on implementation of ferrous-free clothing
- **Telephone and on-site consulting**
To ensure the continued effectiveness of your Ferroguard Assure package

Meets ACR recommendations for Zone 4 protection

Metrasens supports you every step of the way

Ferroguard Academy

Join the Ferroguard Academy for comprehensive education designed to help your staff expand their knowledge in MRI safety, from the basics to advanced CE-accredited training.

Register online for **FREE** Basic MRI Safety Training to Prevent Accidents and Injuries (original price \$95).

Presented by **Frank Shellock Ph.D.**, Adjunct Clinical Professor of Radiology and Medicine, Keck School of Medicine, University of Southern California.



Visit ferroguard.com to find out more.

Ferroguard your MRI suite with Metrasens

- ✓ **Invest in the best** – Ferroguard Assure with its comprehensive combination of advanced technology, accredited education and superior support
- ✓ **Ensure ferromagnetic detection before the MRI door** – only Ferroguard entry control systems are equipped with the unique **V**isual **E**arly **W**arning (VIEW®) technology for ultimate Zone 4 safety
- ✓ **Add super-sensitive screening** – with Ferroguard Screener for fast and consistent Zone 3 screening – learn more at www.ferroguard.com
- ✓ **Benefit from reliably outstanding service and product quality** – the only FMD manufacturer to hold ISO9001 certification for quality management
- ✓ **Have award winning products installed in your MRI facility** – robust enough to cope in your busy environment, styled to fit in with the best facility design
- ✓ **Use our 100% ferrous-free patient transfer equipment** – to ensure maximum safety and patient throughput
- ✓ **Be confident** – knowing that you have chosen the supplier partnered by the leaders in MRI

References

1. Kanal E, Barkovich AJ, Bell C, et al. ACR guidance document for safe MR practices: 2007. Am J Roentgenol. 2007;188:1447-1474.
2. Facilities Guidelines Institute (FGI) Guidelines for Design and Construction of Health Care Facilities, Section 2.2: Specific Requirements for General Hospitals.

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