GE Healthcare

Modular monitoring for Magnetic Resonance Imaging

iMM MRI Monitor
iMM MRI Monitor – ultimate solution for MRI environment

iMM – the innovative, intuitive, integrated and informative Modular Monitoring family, offers the perfect solution of modular monitoring products for any level of patient acuity in any care areas.

Designed for the MRI environment

- Composed of MRI scanners up to 3 Tesla
- MRI compatible design enables the monitor to be placed near the patient
- Active remote monitoring provides a reliable and easy way to operate the monitor from outside the MRI room
- Maintains ECG waveform and ECG recording capability even during operation
- MRI dedicated accessories, fibre optic connections and alarm drivers for safe and easy operation
- Fibre Optics Gating for optimized image quality during cardiac imaging
- Remote iTouch Pad for easy access saving time and effort

Advanced features make care easier

- Standardized GE connectors and complete data transfer and data continuity between other care areas
- Large and bright colour screen gives complete view of patient status from a distance and at various angles
- ECG gating for optimized image quality during cardiac imaging
- Automatic alarms in abnormal situations to maximize the amount of critical situations
- Intelligent alarm system offers operator user interface for different parameters and supports the operator in critical situations by showing the duration, severity and combination of different alarms

Easy usability

The same innovative user interface shared by all iMM monitors enables familiar and easy operation.

Flexibility for moving

MRI compatible cart and battery operation ensure safe and uninterrupted monitoring during transport situations.

Ergonomics that work

The unique mounting system enables a wide range of ergonomic room and workplace configurations.

For more information, contact your local GE Healthcare representative.
IMM – integrated modular monitoring

• The same innovative user interface shared by all IMM monitors
• Dedicated and intuitive quick access keys to all commonly used features
• Full package of parameters with the latest measurement technology for accurate and reliable vital sign monitoring
• Future upgrades, modular design and device interfacing ensure long-term investment value
• Compatibility to iCentral suite of applications, iPON information access and iConnect interfacing
Haemodynamic monitoring
- Standard haemodynamic measurement of ECG, NIBP, SpO₂, up to two invasive blood pressure channels
- Dedicated ECG filtering and AADS (Artifact Aware Down Sampling) algorithm for ECG optimization in the presence of MRI
- Oxygenation and haemodynamic calculations give a thorough view of your patient’s haemodynamic status

Gas monitoring
- Airway modules specifically designed for the MRI Monitor
- Fully configurable to measure coronary input with accurate identification of CO₂, O₂ and N₂O. Full hemodynamics and direct gas exchange
- Full numerical and graphical trends of all measured data
- All parameters measured at patients airway with fully MRI compatible accessories

Spirometry monitoring
- Patient Spirometry measured at the patient’s airway and representing real patient values
- Excellent tool for managing the patient's ventilation during procedures in MRI
- Ventilation and haemodynamic information on a single screen provides a complete picture of the patient’s safety
- Can be used with any ventilator for adjusting optimal ventilation settings

Patient safety
- MRI compatible design and filtering provides artifact-free images and maximizes contrast.
- Patient monitoring signals are integrated into the MRI environment.
- Specially designed and patented ECG and SpO₂ accessories and standard MRI metal-free GE accessories for NIBP, InvBP and gas measurement offer the best available performance without compromising safety.
- Smart Automatic Measurement Shut Down (SAMSD) feature protects the MRI monitor’s electronic in high magnetic fields.
From open architecture to the integrated workstation.

iMM MRI Monitor is all you need for effortless patient monitoring in the MRI: a comprehensive range of upgradeable monitoring parameters, intuitive use, anaesthesia documentation, ventilator interfacing and data transfer between care areas. Coupled with the iCentral suite of applications, iPON information access and iConnect interfacing, iMM MRI monitoring is the solution for all your needs in MRI.
A complete monitoring solution

iMM offers a comprehensive range of modular monitoring products for all areas of patient care. The common user interface and data continuity allow efficient information transfer between care areas and provide a complete view of the patient in real-time.

- **Modularity** makes the iMM MRI Monitor highly adaptable in virtually every MRI environment
- **Configurable alarms** meet the requirements of the care area, caregiver and patient

### Key Features

- **Standard parameters** cover all physiological functions
- **Advanced parameters** give you a more complete view of your patient in even the most complex anaesthesia cases
- **Efficient information transfer** between care areas and reduces training time

### Products

- **Light Monitor**
- **FM Monitor**
- **Compact Monitor**
- **Anesthesia Monitor**
- **iConnect Cardiocap/5 Monitor**
- **Cellular Viewer**
- **Pocket Viewer**
- **Web Viewer**
- **iCentral**
- **iPOC**
Information at the point of need

The iCentral suite of applications offers scalable networking, viewing, storing and
exporting of all patient data. It provides real-time waveforms, numerical data,
alarms, signs, trends, event history with snapshots and full disclosure – all
logically organized into cardiac, haemodynamic, ventilation and neurological
views. Using iCentral, consultation and remote surveillance are easier when the
same, complete information is available simultaneously in all departments, offices
and other care locations.

Current solutions include iCollect, a valuable research tool for professionals
that provides an easy and efficient way to collect all data from iMM Monitors.

iConnect solutions include iCollect, a valuable research tool for professionals
that provides an easy and efficient way to collect all data from iMM Monitors.

iPON solutions help clinicians capture and share vital information whenever and
wherever they need it. iPOC - information at the point of care - makes it easy to
navigate a wealth of clinical information, giving care providers bedside access to
various information sources such as laboratory results, patient demographic data
and imaging pictures, while offering the possibility to run other clinical infor-
mation systems applications, as well. Complementing iPOC are Cellular Viewer,
Pocket Viewer and Web Viewer. They allow real-time information access from
both within and outside of the hospital.
For more than 100 years, healthcare providers worldwide have relied on GE Healthcare for medical technology, services, and productivity solutions. Ge, no matter what challenges your healthcare system faces, you can always count on GE to help you deliver the highest quality healthcare. For details, please contact your GE representative today.

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