

MAGLIFE Serenity

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Highest ECG quality even under strongest gradient influence



SCHILLER
The Art of Diagnostics

MAGLIFE SERENITY

The MAGLIFE Serenity provides the guarantee for highest safety: SCHILLER is one of the few leading suppliers of MRI compatible patient monitoring systems worldwide. Even under strongest gradient influence the MAGLIFE Serenity guarantees highest ECG quality during magnetic resonance imaging (MRI) scanning.



The MAGLIFE Serenity monitors all vital parameters during anaesthesia in an MRI environment and the system can be totally controlled from outside the Faraday cage.

A STATE-OF-THE-ART MONITORING SYSTEM FOR MRI EXAMINATIONS

SCHILLER provides ECG recording which is based on the MR technology. This procedure reduces the risk of burns as well as signal interference to a minimum and permits a standardised operation just like in a conventional environment.

The MAGLIFE Serenity is specifically developed for use during anaesthesia of adults, children and neonates in an MRI environment and allows for special monitoring during the examination.

ECG RECORDING

The patented ECG preparation guarantees a very high protection against gradient artefacts, which makes the MAGLIFE Serenity the ideal device for cardiovascular application.

GATING

Up to three outputs for vital parameters are available. Both analogue and digital outputs ensure compatibility with all types and brands of MRI devices.

WIDE OPERATIONAL RANGE

The MAGLIFE Serenity is compatible with 0.2 Tesla to 3.0 Tesla imagers of all manufacturers. It has been developed for everyday use, but also to meet the highest requirements in anaesthesia, cardiology and haemodynamics in an MRI environment.

OPTICAL MEASUREMENT OF TEMPERATURE

The optical measuring method permits an unrestricted and safe positioning of the temperature sensor, even in high-field MRIs.

MOBILITY

The ease with which the MAGLIFE Serenity can be moved quickly to the patient or the MRI is a significant advantage. Moreover, operation via mains or battery gives additional mobility and flexibility. The MAGLIFE Serenity provides a patient-orientated data management and documentation in every situation. Since the MAGLIFE Serenity can be connected to the MAGSCREEN, the system can be used with several MRIs in a confined space.



WIRELESS DATA TRANSMISSION

The MAGLIFE Serenity is based on the latest WLAN technology; therefore, the MAGLIFE Serenity and the display unit can communicate via optical fibre cable, Ethernet or WLAN.

SAFE SpO₂ MEASUREMENT

SCHILLER provides either wireless or optically wired SpO₂. The wireless solution provides total mobility around the MRI and reduces patient installation time.

MONITORING THE MAGNETIC FIELD

The built-in continuous magnetic stray field analysers offer the highest safety. Alarms and shutdowns can be triggered at any time during operation and even when the device is switched off.

USER-FRIENDLY FEATURES

Clearly visible colour screens on the TFT monitor as well as on the display unit and easy-to-use software guarantee a user-friendly operation. Easy and quick transport ensures ideal flexibility. The MAGLIFE Serenity can be placed on the MR compatible anaesthesia cart. The simultaneous monitoring of 32 vital parameters gives you the overview at all times.

WIRELESS SpO₂ OPTION

Simply connect the wireless front end to the patient's finger or toe and you are ready to start.



MAGSCREEN SERENITY

The remote display unit gives total control over the main device. An interruption of the MRI examination is only necessary if required by the patient's condition.



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