*Tesla*M3

MRI Patient Monitoring System

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ISO13485
ISO 9001

MR

FDA
APPROVED

CE

MAMMENDORFER INSTITUT FÜR PHYSIK UND MEDIZIN

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Tesla^{M3}

MRI Patient Monitoring System

Tesla^{M3} has been especially developed for patient monitoring during MRI examinations. The monitor and user interface have been designed in cooperation with clinical users and fulfill all requirements of a modern MRI patient monitor.

Easy handling of sensors and accessories, as well as an intuitive user menu, have been driving forces during the development of the *Tesla*^{M3}.

Tesla^{M3} can be configured according to individual requirements. All options can be combined independently and upgraded in the field.

Wireless SpO_2 and ECG sensors make it easy and convenient to connect patients to the *Tesla*^{M3} monitor. The ECG has been developed specifically for the rigorous conditions present during an MRI scan.

The *Tesla*^{M3} has up to 8 hours of trend memory, which can be either transferred to a USB storage device, printer, or transferred to a hospital network.

Tesla^{M3} offers full network capability.
Tesla^{M3} is a complete solution that fulfills all requirements for patient monitoring in an MRI environment, while still maintaining a favorable price / performance ratio.

There is no Gauss restriction for the wireless sensors and accessories that are used within close proximity to the MRI scanner.

All available patient parameters can be displayed simultaneously on the 15" touch screen, enabling the clinician to quickly assess the patients condition.

Up to 6 waveforms and 4 numerical parameter fields can be displayed simultantiously on the main screen.

The Tesla Spy Magnetic Indicator ensures safe positioning of the monitor in the MRI cabin.

In connection with the MIPM MRI ECG pad the digital artifact filter ensures reliable ECG readings during the full course of a scanning procedure, even during strong gradient scanning sequences.

Tesla^{M3} is equipped with a cardiac gating interface.

Body temperature monitoring (surface and intra-corporeal) enables the clinician to provide optimal patient care.

The 15" remote monitor enables clinicians to operate the main monitor from the control room.

A safe and stable transmission of all vital signs, alarms and events is guaranteed via our unique transmission technology.
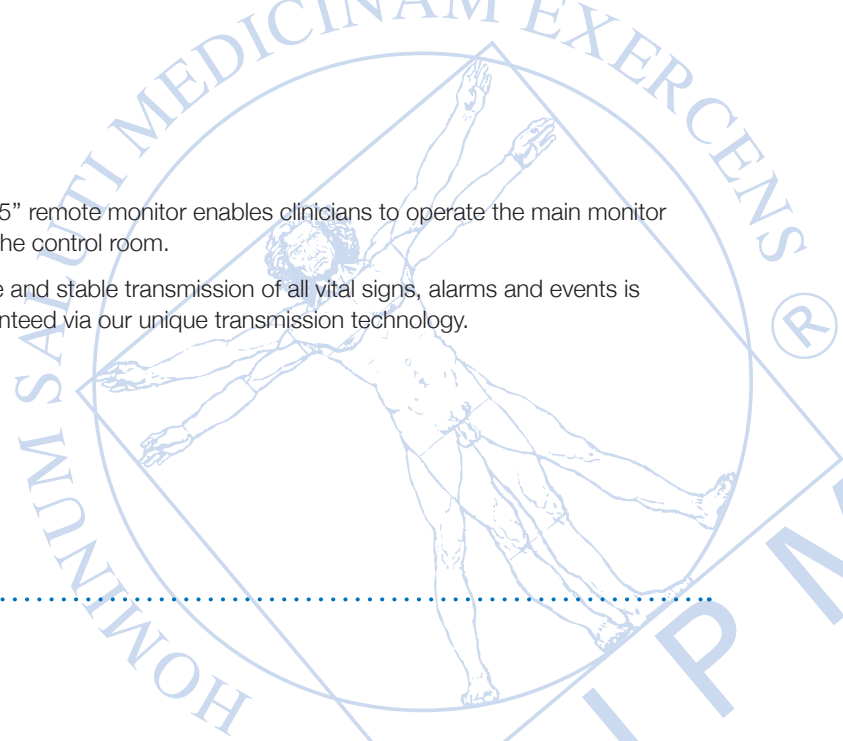
There is only one pulse oximetry sensor for the different patient groups.

There are 3 different adapter sizes for placement of the pulse oximetry sensor leads available: large, pediatric, and small pediatric.

Intelligent battery management enables continuous operation of the wireless sensors for up to 8 hours.

Soft touch finger adapters enable easy positioning of the sensor while ensuring reliable SpO_2 monitoring, even during longer scan sequences.

Finger adapters are latex free, robust, easily cleaned, and can be quickly exchanged between patients.
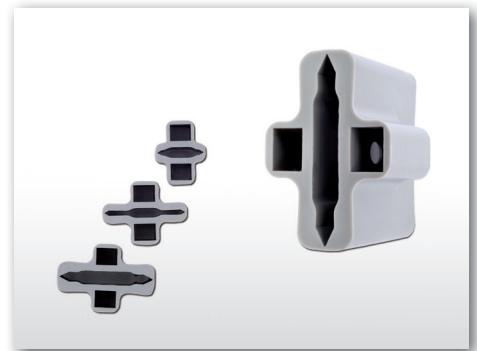
Configuration

Basic Model	ECG, SpO_2, NIBP
Options*	up to 2 x IBP
	up to 2 x Temperature
	Capnography or Multigas Module
	Full Functional Remote Control

* All options can be upgraded at any time at the customer site.

Tesla^{M3}

MRI Patient Monitoring System

Technical Features

Description	Specification*
MRI Patient Monitor	
Height	140 cm / 55.1 inch
Width	60 cm / 23.6 inch
Depth	62 cm / 24.4 inch
Weight	36 kg / 79.3 lbs
Remote Monitor	
Height	36 cm / 14.2 inch
Width	45 cm / 17.7 inch
Depth	24 cm / 9.5 inch
Weight	7.5 kg / 16.5 lbs

* Specifications may change without prior notice.

Made in Germany

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