

TESLA^{SX1}

MRI Defibrillator and
Patient Monitor

PATIENT SAFETY DURING
MRI EXAMINATIONS

MANUAL DEFIBRILLATION
OR CARDIOVERSION

SPO2 & ECG MONITORING



mipm.com

MIPM MAMMENDORFER INSTITUT FÜR PHYSIK UND MEDIZIN GMBH

TESLA^{SX1}

MRI DEFIBRILLATOR AND PATIENT MONITOR
PATIENT SAFETY DURING MRI EXAMINATIONS

FEATURES

Certified for 1.5 and 3T MRI scanners
MRI compatible up to 200G / 20mT

+ Integrated magnetic field indicator for safe positioning

+ Specifically designed patient cable

- Safe shock application without heating of the cable
- Two cable versions for 1.5 and 3T scanners
- MRI compatible shock pads
- Shock application directly on the MRI examination table

+ Wireless combined SpO2 & ECG Sensor

- OMNI Sens - Just one Sensor for patient monitoring
- Support of Cardioversion

+ Quick Access to patient care due to predefined patient groups

+ Adjustable Shock energy 1-300J

+ Manual shock application or supported by Cardioversion



+ 7" Touch display

- Operation via Graphical User Interface
- Separated patient monitoring and defibrillation areas
- Customizable user interface
- Quick access parameter menus for monitoring settings
- Settings and defibrillation functions within the main screen
- Optical encoder as a failsafe system to operate the device.

+ Service Count down. Notifications regarding the technical status of your device.

- The unit informs the user when the next service checkup is mandatory or overdue.

+ TeslaSX1 may be operated on mains power or in battery mode.

- 6 hours battery operation or 20 defibrillation shocks with full energy

+ Data transfer

- trend download via USB interface



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TESLA^{SX1}

CLOSING THE GAP IN PATIENT SAFETY
DURING MRI EXAMINATIONS

ADVANCED LIFE SUPPORT IN THE MRI
MADE POSSIBLE



TESLA^{SX1}

Offers a solution for all critically ill and unstable patients in need of an MRI exam.
Immediate shock delivery on the MRI examination table.

+ No need to move patients to an MRI safe area

- Depending on patients condition and body dimensions this may take several minutes and put the patient at risk. TeslaSX1 provides basic patient monitoring and a defibrillator in one compact solution. It can be kept inside the MRI cabin and is ready to use when the patient needs it.

+ Applications:

+ Cardiac MRI examinations

- Cardiologically abnormal patients receiving diagnostic cardiac MRI
- Cardiac MRI exams including stress perfusion

+ Cardiac Intervention

- During cardiac intervention procedures it is mandatory to have a defibrillator available close to the patient

+ Intensive care patients

- Critically ill and unstable patients are connected to ventilation and infusion devices. Getting your patient out of the MRI cabin in case of cardiac arrest or arterial fibrillation might be challenging and time consuming.

Tesla^{SX1} closes the gap in patient safety. Defibrillation inside the MRI room is taken to the next level.

Manual shock application or supported by Cardioversion gives clinicians a powerful tool to help patients right when they need it.



+ Wireless combined SpO2 & ECG Sensor

- OMNI Sens - Just one Sensor for patient monitoring
- Sensor can be used inside the bore.
- SpO₂ wave form and pulse rate.
- 3 lead ECG - I, II, III, or aVR, aVL, aVF
- Support of Cardioversion
- Easy to replace batteries



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TESLA^{SX1}

TECHNICAL SPECS

TESLASX1 (WITHOUT TROLLEY)

HEIGHT 29 cm (11.4 inch)

WIDTH 28 cm (11.0 inch)

DEPTH 31 cm (12.2 inch)

WEIGHT 7 kg (15,43 lbs)*

TESLASX1 (WITH TROLLEY)

HEIGHT 147 cm (57.9 inch)

WIDTH 70 cm (27.6 inch)

DEPTH 70 cm (27.6 inch)

WEIGHT 16 kg (35.3 lbs)

*mass including its safe working load

ACCESSORIES

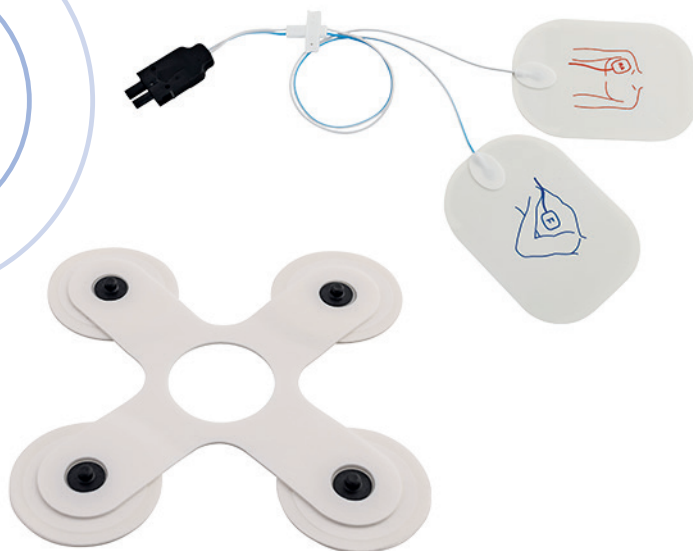
Defibrillation Cable (1.5 T)

Defibrillation Cable (3 T)

defPad^{MRI}

ezPad^{MRI}

Trolley



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