

# iMagox™

## MRI PULSE OXIMETER SYSTEM



MRI PULSE OXIMETER  
WITH WIRELESS REMOTE

FIBER OPTIC SENSOR  
LARGE GRAPHIC DISPLAY

MRI COMPATIBLE  
UP TO 3T

RECHARGABLE  
BATTERY PACK

From the developers of the world's first true non-magnetic IV Pump the MRidium™ 3850, comes the iMagox™ MRI Pulse Oximeter featuring the Masimo Set® Technology. The Fiber Optic sensor and long life battery makes this the perfect portable monitor for use in the MRI. The Wireless Remote allows for complete operation from the control room.

This Product is not for sale  
in the United States.



## MRI PULSE OXIMETER SYSTEM



### 2460 MRI PULSE OXIMETER

The iMagox™ 2460 Pulse Oximeter System is a Masimo SET® Technology based Digital Pulse Oximeter for use in a Magnetic Resonance (MR) environment, up to and including 3T MR scanners. It simultaneously measures and displays the functional oxygen saturation of arterial hemoglobin (SpO<sub>2</sub>) and pulse rate of adult, pediatric and infant patients. The large display provides digital and waveform data with SpO<sub>2</sub> alarms and user messages, which can be easily seen within the MR scanner room. Operating on battery power, when fully charged, this system will provide up to 18 hours of continuous operation. The unique rear clamp mechanism swivels to allow mounting on either a non-magnetic I.V. Pole, or for mounting to a bed side rail.



### 2465 MRI OXIMETER REMOTE

The 2465 iMagox™ Wireless Remote Display allows for remote ability to control the Model 2460 MRI Pulse Oximeter from outside the MR Scanner. It utilizes the same user interface as the 2460 Oximeter and will allow adjustment of all Oximeter parameters and resetting alarms. The large clear display shows all Oximeter information at your desk top from the control room. The Wireless remote also acts as a charger for a backup or spare battery pack for the iMagox™ 2460 MRI Pulse Oximeter. It utilizes a wireless link at 2.4 GHz for easy installation with no image artifacts.



### 1170 FIBER OPTIC SENSOR

The MRI-SpO<sub>2</sub> Pulse Oximeter Sensor and Sensor Grip allow safe and convenient SpO<sub>2</sub> monitoring in the MRI. This fiber optic-based SpO<sub>2</sub> sensor avoids potentially hazardous heating or image artifact during MR scans. The method of patient attachment uses a medical-grade silicone rubber Sensor Grip that allows easy and convenient attachment to the patient's hand or foot, and accommodates pediatric, adult, and infant patients with various size Grips.

#### SPECIFICATIONS:

##### Oxygen Saturation Display Range:

0 to 100% SpO<sub>2</sub>

##### Pulse Rate Display Range:

30 to 240 pulses per minute (BPM)

##### SpO<sub>2</sub> Accuracy (Arms):

FO Sensor 70-100% ± 2 digits

##### Pulse Rate Accuracy (Arms):

No Motion ±3 digits, 30-240 BPM

Low Perfusion ±3 digits, 30-240 BPM

(±1 Arms represents approximately 68% of measurements)

##### SpO<sub>2</sub> /Pulse Rate Response Time:

< 10 seconds

##### Wavelengths and Output Power:

Red: 660 nm @ 0.8 mW max average.

Infrared: 910 nm @ 1.2 mW max average.

##### SpO<sub>2</sub> Temperature (Operating):

0° to +40° C (32° F to 104° F)

##### Temperature (Storage/Transportation):

-30° to +50° C (-22° F to 122° F)

##### SpO<sub>2</sub> Humidity (Operating):

10 to 90% noncondensing

##### Humidity (Storage/Transportation):

10 to 95% noncondensing

##### SpO<sub>2</sub> Altitude (Operating):

Up to 12,000 meters (40,000 feet)

##### SpO<sub>2</sub> Sensor Accuracy:

SpO<sub>2</sub>: 70 to 100% ±2 digits (Arms\*).

Pulse Rate Accuracy: ±3 digits (bpm)

\*±1 Arms represents approximately 68% of measurements.

##### Sensor Compliance:

This product complies with ISO 10993-1.

##### Sensor Warranty:

The 1170 is warranted for 90 days from delivery.

##### SpO<sub>2</sub> Sensor Type:

Fiberoptic SpO<sub>2</sub> Sensor

##### SpO<sub>2</sub> Sensor Length:

7.5 ft. (230 cm)

