



The **Masimo Rad-8** is a non-invasive pulse oximeter that can monitor the blood oxygen level and pulse rate in a patient. The Masimo pulse oximeter comes with an LED display screen that can showcase the numbers for SpO2 and pulse rate along with indicators for Perfusion Index (PI) and Signal Identification. The Masimo Rad-8 offers two different models, a vertical and Horizontal version of the Rad-8. The system can hold up to 72 hours of trending memory and has a battery life up to 7 hours before it needs to recharge. The Masimo Rad-8 can be used on patients ranging from Pediatrics to adults.

Features

- For use on Neonate, infant, and pediatric patients.
- Accurate monitoring in motion and low perfusion environments.
- SpO2, pulse rate, alarm, and perfusion index displays.
- Lightweight and compact design.
- Up to 7 hours internal battery life.
- Serial output port.



Specifications

Dimensions

Height: 3.0" (7.6 cm)
Width: 8.2" (20.8 cm)
Depth: 6.0" (15.2 cm)
Weight: 2.1 lbs (0.9 kg)

Display

Data Display: %SpO₂, pulse rate, alarm status, alarm silenced status, AC power, Signal IQ/pleth bar, perfusion index bar, battery status
Type: LED
Display update rate: 1 second

Measurement Range

Arterial Oxygen Saturation (%SpO₂): 1-100%
Pulse Rate: 25-240 beats per minute (bpm)
Perfusion Index: 0.02% - 20%
Response time: <1 second delay

Resolution

Arterial Oxygen Saturation (%SpO₂): 1%
Pulse Rate: 1 bpm

Arterial Oxygen Saturation Accuracy

Saturation 60% to 80%
No Motion²: Adults, Infants, Pediatrics: ±4%
Saturation 70% to 100%
No Motion³: Adults, Infants, Pediatrics: ± 2%; Neonates: ± 3%
Motion⁴: Adults, Infants, Pediatrics, Neonates: ± 3%
Low Perfusion⁵: Adults, Infants, Pediatrics, Neonates: ± 2%

Pulse Rate Accuracy

Pulse Rate: 25 - 240 (bpm)
No Motion: Adults, Infants, Pediatrics, Neonates: ± 3 bpm
Motion⁵: Adults, Infants, Pediatrics, Neonates: ± 5 bpm
Low Perfusion: Adults, Infants, Pediatrics, Neonates: ± 3 bpm

Output Interfaces

Outputs: Serial RS-232, Philips VueLink, Nurse Call

