

MASIMO Rad-5v

The accuracy and reliability of Masimo SET pulse oximetry in a compact device, perfect for spot-check and triage

- > Masimo SET® technology is scientifically and clinically proven to provide accurate pulse oximetry measurements during motion and low perfusion
- > Lightweight, convenient handheld device with a long battery life—over 30 hours on 4 AA batteries
- > FastStart™ allows for rapid measurement at start-up
- > Perfusion Index (PI) indicates arterial pulse signal strength
- > Signal I.Q.® (SIQ) bar for signal identification and quality indication during motion and low signal to noise situations
- > Audible and visual alarms for Sensor Off & Low Battery
- > Optional protective boot cover with built in table-top stand

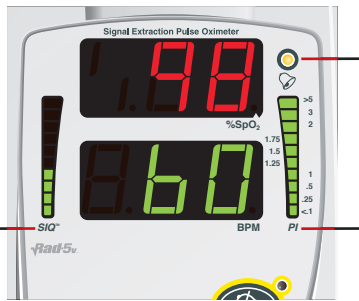


Masimo Rad-5v

FEATURES

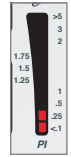


Signal I.Q.[®] (SIQ) bar is used for signal identification and quality indication during motion and low signal to noise situations. The LED rises and falls with the pulse, its height indicating signal quality. When Signal IQ is very low, and the SpO₂ and pulse rate values may be suspect, the LED turns red (left graphic).



The Alarm Status Indicator flashes when an alarm condition is present.

Perfusion Index (PI) indicates arterial pulse signal strength. The LED bar is highest and green when the quality of the perfused site is best (left graphic); when PI is poor the LED bar is low and turns red (right graphic).



Protective boots are available in your choice of seven different colors.

PERFORMANCE & ORDERING INFORMATION:

PERFORMANCE

MEASUREMENT RANGE

SpO₂ 1 – 100%
 Pulse Rate 25 – 240 (bpm)
 Perfusion 0.02% – 20%

SATURATION ACCURACY

Saturation 70% to 100%
 No Motion
 Adults, Pediatrics ±3 digits
 Neonates ±3 digits
 Motion
 Adults, Pediatrics ±2 digits
 Neonates ±3 digits
 Low Perfusion
 Adults, Pediatrics ±2 digits
 Neonates ±3 digits

PULSE RATE ACCURACY

Pulse Rate 25 – 240 bpm
 No Motion
 Adults, Pediatrics, Neonates ±3 digits
 Motion
 Adults, Pediatrics, Neonates ±5 digits
 Low Perfusion
 Adults, Pediatrics, Neonates ±3 digits

RESOLUTION

Saturation (%SpO₂) 1%
 Pulse Rate (bpm) 1 bpm

ELECTRICAL

BATTERIES

Type 4 AA Alkaline
 Capacity over 30 hours

ENVIRONMENTAL

Operating Temperature 32°F to 122°F (0°C to 50°C)
 Storage Temperature -40°F to 158°F (-40°C to 70°C)
 Operating Humidity 5% to 95%, non-condensing
 Operating Altitude 500 mbar to 1060 mbar pressure
 -1000 ft to 18,000 ft (-304 m to 5,486 m)

PHYSICAL CHARACTERISTICS

DIMENSIONS

Handheld 6.2" x 3.0" x 1.4" (15.8 cm x 7.6 cm x 3.6 cm)

WEIGHT

Handheld 13 oz (0.32 kg)

MODES

Averaging mode 8 seconds
 Sensitivity Normal

ALARMS

Sensor condition, system failure and low battery alarms
 High Priority 799 Hz tone, 5 pulse burst,
 pulse spacing: 0.250s, 0.250s, 0.500s, 0.250s, repeat time: 10s
 Low Priority 432 Hz tone, 3 pulses, repeat time: 5s
 Alarm Volume High Priority: 75 dB (max), Low Priority: 75 dB (max)

DISPLAY/INDICATORS

Data display % SpO₂, pulse rate, perfusion index,
 alarm status, alarm silenced status,
 Signal IQ/pleth bar, battery status
 Type LED

COMPLIANCE

EMC Classification IEC 60601-1 2, Class B
 Equipment Classification IEC 60601-1-1 / UL 60601-1
 Type of Protection Internally powered (on battery power)
 Degree of Protection-Patient Cable Type BF-Applied Part
 Rad-5v Mode of Operation Spot Check