

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

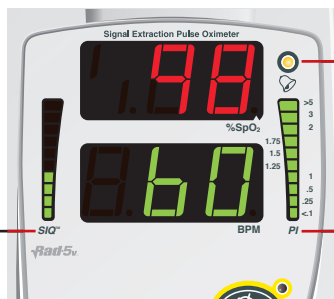


Masimo Rad-5v

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

SpO ₂	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 (%SpO ₂)	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)
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WEIGHT

Handheld	13 oz (0.32 kg)
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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 Priority432 Hz tone, 3 pulses, repeat time: 5s
Alarm Volume	High Priority: 75 dB (max), Low Priority: 75 dB (max)

DISPLAY/INDICATORS

Data display	% SpO ₂ , 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