

Rad-5v[®]

Featuring Masimo SET[®] Measure-through Motion and Low Perfusion Pulse Oximetry



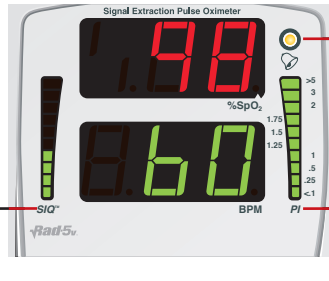
- > In a study published in *Journal of Clinical Anesthesiology* comparing three pulse oximetry technologies, Masimo SET[®] demonstrated the highest sensitivity and specificity in identifying desaturation events during conditions of motion and low perfusion¹
- > Lightweight, handheld device with FastStart, to allow for rapid measurement at start-up
- > Perfusion Index (Pi) is an assessment of the pulsatile strength at a specific monitoring site (e.g. the hand, finger, or foot), and as such Pi is an indirect and noninvasive measure of peripheral perfusion
- > Signal I.Q.[®] (SIQ) provides an assessment of the confidence in the displayed SpO₂ value
- > Audible and visual alarms for Sensor Off and Low Battery



Features

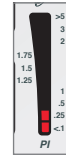


Signal I.Q. (SIQ) provides an assessment of the confidence in the displayed SpO₂ value. A vertical LED bar rises and falls with the pulse, where the height of the bar indicates the quality of the signal (left graphic).



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

Perfusion Index (Pi) is an assessment of the pulsatile strength at a specific monitoring site (e.g. the hand, finger, or foot), and as such Pi is an indirect and noninvasive measure of peripheral perfusion. The LED bar is highest and green when the quality of the perfused site is best; 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.

Rad-5v Specifications

MEASUREMENT RANGE	
SpO ₂	1-100%
Pulse Rate	25-240 bpm
Perfusion	0.02-20%
ACCURACY (ARMS) ²	
Saturation	70-100%
No Motion Adults/Pediatrics	2 %
No Motion Neonates	3 %
Motion Adults/Pediatrics	3 %
Motion Neonates	3 %
Low Perfusion Adults/Pediatrics	2 %
Low Perfusion Neonates	3 %
Pulse Rate	25-240 bpm
No Motion3 bpm
Motion5 bpm
Low Perfusion3 bpm
RESOLUTION	
Saturation (%SpO ₂)1 %
Pulse Rate (bpm)1 bpm
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	6.2" x 3.0" x 1.4" (15.8 cm x 7.6 cm x 3.6 cm)
Weight	13 oz (0.32 kg)
MODES	
Averaging Mode8 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	% 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-5 Mode of Operation	Spot Check

¹ Shah et al. *J Clin Anesth.* 2012;24(5):385-91. ² ARMS accuracy is a statistical calculation of the difference between device measurements and reference measurements. Approximately two-thirds of the device measurements fell within ± ARMS of the reference measurements in a controlled study.

Caution: Federal (USA) law restricts this device to sale by or on the order of a physician. See instructions for use for full prescribing information, including indications, contraindications, warnings, and precautions.

Masimo U.S.
Tel: 1 877 4 Masimo
info-america@masimo.com

Masimo International
Tel: +41 32 720 1111
info-international@masimo.com

