

Rad-5v[®]

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



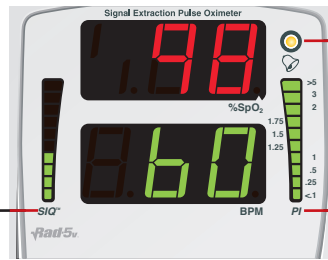
- > In a study published in *Journal of Clinical Anesthesiology* comparing three pulse oximetry technologies, Masimo SET[®] demonstrated the highest sensitivity and specificity in identifying desaturation events during conditions of motion and low perfusion¹
- > Lightweight, handheld device with FastStart, 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	PHYSICAL CHARACTERISTICS
SpO ₂ 1-100%	Dimensions 6.2" x 3.0" x 1.4" (15.8 cm x 7.6 cm x 3.6 cm)
Pulse Rate 25-240 bpm	Weight 13 oz (0.32 kg)
Perfusion 0.02-20%	
ACCURACY (ARMS) ²	MODES
Saturation 70-100%	Averaging Mode8 seconds
No Motion Adults/Pediatrics 2%	Sensitivity Normal
No Motion Neonates 3%	
Motion Adults/Pediatrics 3%	ALARMS
Motion Neonates 3%	Sensor condition, system failure, and low battery alarms
Low Perfusion Adults/Pediatrics 2%	High Priority 799 Hz tone, 5 pulse burst, pulse spacing: 0.250s, 0.250s, 0.500s, 0.250s, repeat time: 10s
Low Perfusion Neonates 3%	Low Priority 432 Hz tone, 3 pulses, repeat time: 5s
Pulse Rate 25-240 bpm	Alarm Volume High Priority: 75 dB (max), Low Priority: 75 dB (max)
No Motion3 bpm	
Motion5 bpm	DISPLAY/INDICATORS
Low Perfusion3 bpm	Data Display % SpO ₂ , pulse rate, perfusion index, alarm status, alarm silenced status, Signal IQ/pleth bar, battery status
RESOLUTION	Type LED
Saturation (%SpO ₂) 1%	COMPLIANCE
Pulse Rate (bpm) 1 bpm	EMC Classification IEC 60601-1-2, Class B
BATTERIES	Equipment Classification IEC 60601-1-1 / UL 60601-1
Type 4 AA Alkaline	Type of Protection Internally powered (on battery power)
Capacity over 30 hours	Degree of Protection-Patient Cable Type BF-Applied Part
ENVIRONMENTAL	Rad-5 Mode of Operation Spot Check
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)	

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.

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