

Rad-5[®]

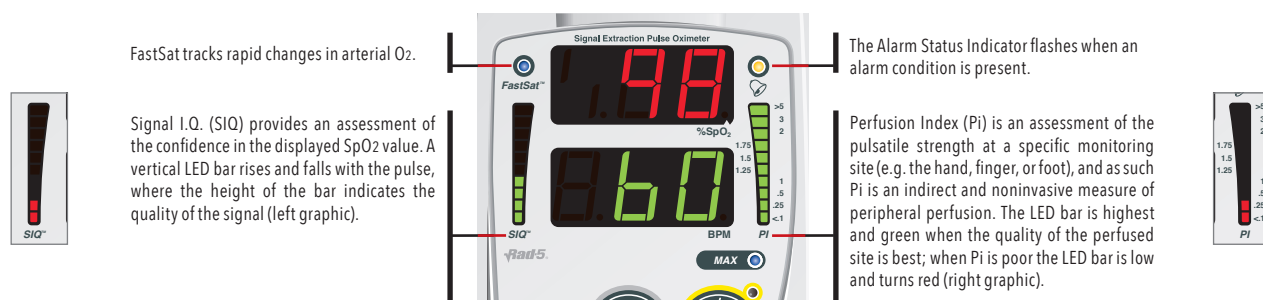
A handheld pulse oximeter with Masimo SET[®] Measure-through Motion and Low Perfusion[™] pulse oximetry



- > 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 user-configurable power up default settings
- > Sleep Mode allows clinicians to disable audio tones and dim LEDs
- > Up to 72 hours of trending memory
- > 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
- > FastSat[®] tracks rapid changes in arterial O2
- > SmartTone beeps in sync with pulse, even under patient motion conditions
- > Sensitivity options: APOD[®], Normal, and MAX
- > Audible and visual alarms for High/Low Saturation, Pulse Rate, Sensor Off, and Low Battery



Features



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

Rad-5 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	TRENDING
Saturation 70-100%	Provides up to 72 hours of trending at 2 second resolution.
No Motion Adults/Pediatrics 2 %	Output to PC running Masimo TrendCom™ Utility
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 Motion 3 bpm	
Motion 5 bpm	
Low Perfusion 3 bpm	
RESOLUTION	ALARMS
Saturation (%SpO ₂) 1%	Audible and visual alarms for high and low saturation and pulse rate (SpO ₂ range 1% - 100%, pulse rate range 25 - 240 bpm)
Pulse Rate (bpm) 1 bpm	Sensor condition, system failure, and low battery alarms
BATTERIES	High Priority 799 Hz tone, 5 pulse burst, pulse spacing: 0.250s, 0.250s, 0.500s, 0.250s, repeat time: 10s
Type 4 AA Alkaline	Low Priority 432 Hz tone, 3 pulses, repeat time: 5s
Capacity over 30 hours	Alarm Volume High Priority: 75 dB (max), Low Priority: 75 dB (max)
ENVIRONMENTAL	DISPLAY/INDICATORS
Operating Temperature 32°F to 122°F (0°C to 50°C)	Data Display % SpO ₂ , pulse rate, perfusion index, FastSat, alarm status, alarm silenced status, Signal IQ/pleth bar, battery status, MAX
Storage Temperature -40°F to 158°F (-40°C to 70°C)	Type LED
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)	
	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 Continuous

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 \pm 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

