

# MASIMO Rad-5®

A fully-featured hand-held pulse oximeter with the accuracy and reliability of Masimo SET, perfect for both continuous monitoring and spot-check applications

- > 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
- > User configurable power up default settings
- > Sleep Mode allows clinicians to disable audio tones and LEDs
- > Up to 72 hours of trending memory
- > Perfusion Index (PI) indicates arterial pulse signal strength and may be used as a diagnostic tool during low perfusion
- > Signal I.Q.® (SIQ) bar for signal identification and quality indication during motion and low signal to noise situations
- > FastSat® tracks rapid changes in arterial O<sub>2</sub> with unmatched fidelity
- > 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 & Low Battery
- > Optional protective boot cover with built in table-top stand



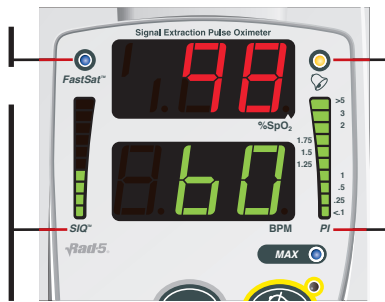
# Masimo Rad-5

## FEATURES

FastSat® tracks rapid changes in arterial O<sub>2</sub> with unmatched fidelity.



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 SpO<sub>2</sub> 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 <sub>2</sub> .....	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 <sub>2</sub> ) .....	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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#### TRENDING

Provides up to 72 hours of trending at 2 second resolution.  
Output to PC running Masimo TrendCom™ Utility

#### MODES

Averaging mode .....	2, 4, 8, 10, 12, 14 or 16 seconds
Sensitivity .....	APOD, Normal and Maximum

#### ALARMS

Audible and visual alarms for high and low saturation and pulse rate (SpO<sub>2</sub> range 1% - 100%, pulse rate range 25 - 240 bpm)  
Sensor condition, system failure and low battery alarms  
High Priority .....

#### DISPLAY/INDICATORS

Data display .....	% SpO <sub>2</sub> , pulse rate, perfusion index, FastSat, alarm status, alarm silenced status, Signal IQ/pleth bar, battery status, MAX
Type .....	LED

#### COMPLIANCE

EMC Classification .....