



The **Masimo Rad-87** pulse oximeter with Masimo Rainbow SET technology. It's a noninvasive pulse co-oximeter that monitors and displays SpO₂, SpCO, SpMet, PI, PVI, and pulse rate. The Optional features on the Rad 87 are the SpCO, SpMet, and PVI. The Masimo Rad-87 comes in four different models that include horizontal and vertical, and with or without radio. Using the same basic principles for measuring the oxygen saturation in the blood with spectrophotometry, the Masimo Radical 87 can also calculate SpCO and SpMet.

Features

- Uses multi-wavelength spectrophotometry to calculate SpO₂, SpCO, SpMet, PI, PVI, and pulse rate.
- Bar graph displays for quick visual identification of SIQ, perfusion index, and pleth variability index.
- Full Masimo SET technology.
- Multicolored LED display.



Specifications

Dimensions

Height: 3 in (7.6 cm)

Width: 8.2 in (20.8 cm)

Depth: 6 in (15.2 cm)

Weight: 2.1 lbs. (0.908 kg)

Measurement Range

SpO2: 0 -100%

SpMet: 0 - 99.9%

SpCO: 0 - 99%

Pulse Rate: 25 - 240 (bpm)

Perfusion Index: 0.02% - 20%

Pleth Variability Index: 0 - 100%

Arterial Oxygen Saturation Accuracy

Saturation 60% to 80%

No Motion: Adults, Infants, Pediatrics $\pm 3\%$

Saturation 70% to 100%

No Motion: Adults, Infants, Pediatrics: $\pm 2\%$; Neonates * $\pm 3\%$

Motion: Adults, Infants, Pediatrics, Neonates: $\pm 3\%$

Low Perfusion: Adults, Infants, Pediatrics, Neonates: $\pm 2\%$

Pulse Rate Accuracy

No Motion

Adults, Infants, Pediatrics, Neonates: ± 3 bpm

Motion

Adults, Infants, Pediatrics, Neonates: ± 5 bpm

Low Perfusion

Adults, Infants, Pediatrics, Neonates: ± 3 bpm

SpCO Accuracy (Carboxyhemoglobin saturation)

Adults, Infants, Pediatrics: 1% - 40% \pm 3%

SpMet Accuracy (Methemoglobin Saturation)

Adults, Infants, Pediatrics, Neonates: 1% - 15% \pm 1%

Resolution

Arterial Oxygen Saturation (SpO2): 1%

Carboxyhemoglobin Saturation (SpCO): 1%

Methemoglobin Saturation (SpMet): 0.1%

Pulse Rate (bpm): 1 bpm

