



The **Masimo Rad 97** is a non-invasive Pulse CO-Oximeter. The Rad-97 offers continuous SpO<sub>2</sub>, etCo<sub>2</sub>, blood pressure, and respiration rate measurements. The system is a small, compact, portable device that can be used as a stand-alone bedside monitor. The Masimo system comes with three different measurement modes for blood pressure measurements; spot-check, automatic interval, and stat interval. The Pulse oximeter can be used on adults, pediatrics, and neonatal patients. The Masimo Rad system offers built-in wifi capabilities that can connect to the Masimo Patient SafetyNet or Iris Gateway in your facility to update and transfer the patient's data for future reference. The Rad 97 Pulse Oximeter additionally offers a bright high-resolution, color display with touch screen capabilities. This makes it easy to customize the display for quick assessments and expand pertinent data for real-

## Features

- Bright High Resolution, LCD color display
- Ambient light sensor automatically adjusts the screen brightness
- Profile icon changes and home button illuminates in corresponding colors to provide visual indicators of the current Profile setting
- light indicator for alarms and system messages
- Rechargeable Li-ion battery with approximately four hours of power
- Trend 96 hours of parametric data to analyze patient status over time
- Audible and visual alarms for quick identification of alarming parameter



# Specifications

## Dimensions

Size: 9 in x 6.5 in x 4in (22.9 cm x 16.5 cm x 10.2 cm)  
Weight: 3lbs. (1.36 kg)

## Measurement range

Spo2 (Functional Oxygen Saturation): 05 to 100%  
PR (Pulse Rate): 0 bpm to 240 bpm  
Pi (Perfusion Index): 0.00 to 0.99  
PVi (Pleth Variability Index): 0 to 100  
RRa (Respiration Rate): 0 rpm to 70 rpm  
SpHb (Hemoglobin):  
    0.0 g/dl to 25.0 g/dl  
    0 g/L to 250 g/L  
    0.0 mol/L to 15.5 mol/L  
SpCO (Carboxyhemoglobin): 0% to 99%  
SpMet (Methemoglobin): 0.00% to 99.0%  
SpOC (Oxygen Content): 0 ml/dl to 35 ml/dl  
ORi (Oxygen Reserve index): 0.00 to 0.99  
RRp (respiration Rte): 0 rpm to 70 rpm

## Resolution

Spo2: 1%  
SpCo: 1%  
SpMet: 0.1%  
SpHb: 0.1 g/dL  
SpOC: 1.0 ml/dL  
Pulse Rate: 1 beat per minute  
Respiration Rate: 1 beat per minute

## Electrical

AC Power requirements: 100 to 240 VAC, 47 to 63 Hz  
Power Consumption: 60 VA  
Fuses: UL, Metric (5x20mm), rated min. 250 VAC, 1 Amp, Time Delay, min. 1500A breaking capacity

## Battery

Type: lithium ion  
Capacity: 7 hours (7)  
Charging time: 3 hours

## Environmental

Operation temperature: 0°C to 35°C (32°F to 95°F)  
Storage/ Transport Temperature: -20°C to 60°C [8] (-4°F to 140°F)  
Operating Humidity: 10% to 95%, non-condensing  
Storage / Transport Humidity: 10% to 90%, non-condensing  
Operating Atmospheric Pressure: 540 mbar to 1,060 mbar (540 hPa to 1060 hPa)  
Operating altitude: 5000 m to -382 m (16,404 ft to -1253 ft)

## Output Interface

Output: USB 2.0, type-A Connector, Nurse Call Connector

