

# Rad-57<sup>®</sup> Pulse CO-Oximeter<sup>®</sup>

Featuring Masimo SET<sup>®</sup> Measure-through Motion<sup>\*</sup> and Low Perfusion<sup>™</sup>  
Pulse Oximetry with Upgradeable rainbow SET<sup>™</sup> Technology



Oxygen Saturation<sup>\*</sup>



Pulse Rate<sup>\*</sup>



Perfusion Index



Pleth Variability Index



Total Haemoglobin



Methaemoglobin



Carboxyhaemoglobin



Oxygen Content



## Features

- > Continuous monitoring in a portable, handheld device
- > Quick and easy to use
- > Rugged and lightweight, ideal for field or hospital settings
- > Low Signal I.Q.<sup>®</sup> (SIQ) indicator identifies conditions of low measurement confidence
- > Up to 72 hours of trending memory

## Options & Accessories

> Masimo **EMS rainbow® patient cables**, built to withstand the rugged use cases commonly found in Emergency Medical Service (EMS) settings, feature:

- Increased cable diameter (5.9 mm) compared to standard rainbow® cables (4.2 mm).
- Stronger resistance to common cleaning agents as a result of new jacket material.
- Enhanced tensile strength through the use of integrated Kevlar.
- Greater resistance to kinking breakages.



rainbow® RC-1 EMS Patient Cable  
> PN 4480

> **Protection+ for Rad-57**

- Covers entire cost of repair or replacement, beyond the one-year parts and labor warranty
- Available in 1, 2, 3, 4, and 5 year plans
- For additional sensor and cable options, visit **Masimo.com**

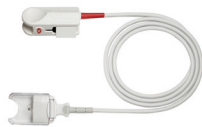
## Kit Configurations

Rad-57 is available in a variety of configurations and kits, including:

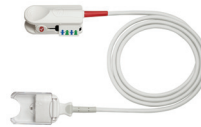
Description	PN
Rad-57 SpO2 Only - Option for Upgradeable rainbow® Parameters	9216-U
Rad-57 Kit with SpCO Option, Adult rainbow® Sensor, RC-01 Cable, and Red Carry Case	3734
Rad-57 Kit with SpCO Option, Adult and Paediatric rainbow® Sensors, RC-01 Cable, and Red Carry Case	3735
Rad-57 with SpCO and SpMet Options, Adult rainbow® Sensor, RC-01 Cable, and Red Carry Case	3736
Rad-57 Kit with SpMet Option, Adult and Paediatric rainbow® Sensors, RC-01 Cable, and Red Carry Case	3737



rainbow® RC Cable  
> 1 ft - PN 2405  
> 4 ft - PN 2406



rainbow® DCI® Adult Sensor  
> PN 2696



rainbow® DCI-P Paediatric Sensor  
> PN 2697



Rad-57 with EMS Carrying Case  
> PN 2208

## Rad-57 Specifications

### ACCURACY (ARMS)<sup>1</sup>

Oxygen Saturation (%SpO <sub>2</sub> ) Accuracy Range	70-100%
No Motion Adults/Paediatrics/Infants	2%
Motion Adults/Paediatrics/Infants/Neonates	3%
Low Perfusion Adults/Paediatrics/Infants/Neonates	2%
Pulse Rate (PR) Accuracy Range	25-240 bpm
No Motion Adults/Paediatrics/Infants/Neonates	3 bpm
Motion Adults/Paediatrics/Infants/Neonates	5 bpm
Low Perfusion Adults/Paediatrics/Infants/Neonates	3 bpm
Total Haemoglobin (SpHb) Accuracy Range	8-17 g/dL
Adults/Paediatrics	1 g/dL
Carboxyhaemoglobin (%SpCO) Accuracy Range	1-40%
Adults/Paediatrics/Infants	3%
Methaemoglobin (%SpMet) Accuracy Range	1-15%
Adults/Paediatrics/Infants/Neonates	1%

### PHYSICAL CHARACTERISTICS

Dimensions	6.9" x 3" x 1.4" (17.5 cm x 7.6 cm x 3.6 cm)
Weight (With Batteries)	13 oz
Display Type	LED

### BATTERIES

Type	4 AA Alkaline
Capacity	Up to 10 hours <sup>2</sup>

### ENVIRONMENTAL

Operating Temperature	0-129°F (-18-54°C)
Atmospheric Pressure	500-1,060 mbar

### COMPLIANCE

EMC Compliance	EN60601-1-2, Class B
Equipment Classification	IEC 60601-1-1
Type of Protection	Internally Powered (Battery Powered)
Degree of Protection	Type BF-Applied part
Mode of Operation	Continuous

<sup>1</sup> 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. <sup>2</sup> This represents approximate run time at lowest indicator brightness, using new, fully charged batteries. \* Masimo SET® Measure-through Motion technology includes SpO<sub>2</sub> and PR.

SpHb, SpCO, and SpMet monitoring with Rad-57 is not intended to replace laboratory blood testing. Blood samples should be analysed by laboratory instruments prior to clinical decision making. Masimo devices with SpCO monitoring are not intended to be used as the sole basis for making diagnosis or treatment decisions related to suspected carbon monoxide poisoning; it is intended to be used in conjunction with additional methods of assessing clinical signs and symptoms.

For professional use. See instructions for use for full prescribing information, including indications, contraindications, warnings, and precautions.

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