

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

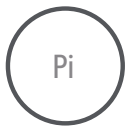
Featuring Masimo SET<sup>®</sup> Measure-through Motion\* and Low Perfusion<sup>™</sup>  
Pulse Oximetry with Upgradeable rainbow SET<sup>™</sup> Technology



Oxygen Saturation\*



Pulse Rate\*



Perfusion Index



Pleth Variability Index



Total Hemoglobin



Methemoglobin



Carboxyhemoglobin



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](http://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 Pediatric 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 Pediatric 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 Pediatric Sensor  
> PN 2697



Rad-57 with EMS Carrying Case  
> PN 2208

## Rad-57 Specifications

ACCURACY (ARMS) <sup>1</sup>	PHYSICAL CHARACTERISTICS
Oxygen Saturation (%SpO2) Accuracy Range ..... 70-100%	Dimensions ..... 6.9" x 3" x 1.4" (17.5 cm x 7.6 cm x 3.6 cm)
No Motion Adults/Pediatrics/Infants ..... 2%	Weight (With Batteries) ..... 13 oz
Motion Adults/Pediatrics/Infants/Neonates ..... 3%	Display Type ..... LED
Low Perfusion Adults/Pediatrics/Infants/Neonates ..... 2%	<b>BATTERIES</b>
Pulse Rate (PR) Accuracy Range ..... 25-240 bpm	Type ..... 4 AA Alkaline
No Motion Adults/Pediatrics/Infants/Neonates ..... 3 bpm	Capacity ..... Up to 10 hours <sup>2</sup>
Motion Adults/Pediatrics/Infants/Neonates ..... 5 bpm	<b>ENVIRONMENTAL</b>
Low Perfusion Adults/Pediatrics/Infants/Neonates ..... 3 bpm	Operating Temperature ..... 0-129°F (-18-54°C)
Total Hemoglobin (SpHb) Accuracy Range ..... 8-17 g/dL	Atmospheric Pressure ..... 500-1,060 mbar
Adults/Pediatrics ..... 1 g/dL	<b>COMPLIANCE</b>
Carboxyhemoglobin (%SpCO) Accuracy Range ..... 1-40%	EMC Compliance ..... EN60601-1-2, Class B
Adults/Pediatrics/Infants ..... 3%	Equipment Classification ..... IEC 60601-1-1
Methemoglobin (%SpMet) Accuracy Range ..... 1-15%	Type of Protection ..... Internally Powered (Battery Powered)
Adults/Pediatrics/Infants/Neonates ..... 1%	Degree of Protection ..... Type BF-Applied part
	Mode of Operation ..... Continuous

<sup>1</sup> ARMS Accuracy is calculated based upon measurement values that are statistically distributed; approximately 68% of the measured values fell within ± the ARMS value when compared to the reference device 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 SpO2 and PR.

SpHb, SpCO, and SpMet monitoring with Rad-57 is not intended to replace laboratory blood testing. Blood samples should be analyzed 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.

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.

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