

Rad-57[®] Pulse CO-Oximeter[®]

Featuring Masimo SET[®] Measure-through Motion and Low Perfusion[™]
Pulse Oximetry with Upgradeable rainbow SET[™] Technology

Masimo SET[®] Measurements

SpO ₂	Oxygen Saturation
PR	Pulse Rate
PI	Perfusion Index
PVI [†]	Pleth Variability Index

Upgradeable rainbow SET[™] Measurements

SpHb [†]	Total Hemoglobin
SpMet [†]	Methemoglobin
SpCO [†]	Carboxyhemoglobin
SpOC [†]	Total Arterial 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.[®] (SIQ) indicator identifies conditions of low measurement confidence
- > Up to 72 hours of trending memory



Sensor and Cable Options

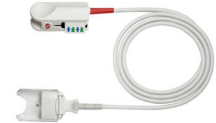
- > Rad-57 can be used with the following:
 - rainbow® sensors and cables
 - Red reusable sensors
 - RD, LNCS®, and M-LNCS™ adhesive sensors
- > rainbow® sensors must be used when measuring SpHb, SpCO, SpMet, and SpOC



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



rainbow® DCI® Adult Sensor
 > PN 2696



rainbow® DCI-P Pediatric Sensor
 > PN 2697

Kits and Accessories

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

Rad-57 Part Numbers	
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



Rad-57 with EMS Carrying Case
 > PN 2208

Rad-57 Specifications

ACCURACY (ARMS)¹

Oxygen Saturation (%SpO2) Accuracy Range	70-100%
No Motion Adults/Pediatrics/Infants	2%
Motion Adults/Pediatrics/Infants/Neonates	3%
Low Perfusion Adults/Pediatrics/Infants/Neonates	2%
Pulse Rate (PR) Accuracy Range	25-240 bpm
No Motion Adults/Pediatrics/Infants/Neonates	3 bpm
Motion Adults/Pediatrics/Infants/Neonates	5 bpm
Low Perfusion Adults/Pediatrics/Infants/Neonates	3 bpm
Total Hemoglobin (SpHb) Accuracy Range	8-17 g/dL
Adults/Pediatrics	1 g/dL
Carboxyhemoglobin (%SpCO) Accuracy Range	1-40%
Adults/Pediatrics/Infants	3%
Methemoglobin (%SpMet) Accuracy Range	1-15%
Adults/Pediatrics/Infants/Neonates	1%

PHYSICAL CHARACTERISTICS

Dimensions	6.2" x 3" x 1.4" (15.8 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 ²

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

¹ 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. ² This represents approximate run time at lowest indicator brightness, using new, fully charged batteries.

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.

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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