Rad-57®
Pulse CO-Oximeter®

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

SpO2 Oxygen Saturation*

PR Pulse Rate*

Pi Perfusion Index

PVi® Pleth Variability Index

SpHb® Total Hemoglobin

SpMet® Methemoglobin

SpCO® Carboxyhemoglobin

SpOC™ Oxygen Content

Features

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

AVOBUS EQUIPMENT
To Purchase, Visit Avobus.com or call 1-800-674-3655

Masimo

Compatible Accessories and Service

> Masimo **EMS 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
- Extended warranty of 2 years

RD rainbow SET® MD20 EMS Patient Cable
4 ft PN 4792

Other compatible accessories include:

RD rainbow SET MD20 Patient Cable
5 ft – PN 4072

LNCS-II rainbow® DCI 8λ SpCO Adult Sensor
PN 4067

LNCS-II rainbow® DCI-P 8λ SpCO Pediatric Sensor
PN 4068

Rad-57 with EMS Carrying Case
PN 2208

Kit Configuration

Rad-57 Pulse CO-Oximeter
PN 9216

- Rad-57 is available in a variety of configurations including RD rainbow patient cables, boots, carrying case, service options, and parameter options of SpCO, SpMet, PVi and SpHb.
- Rad-57 is compatible with both single-patient and reusable sensors.

Rad-57 Specifications

ACCURACY (A_{RMS})[1]	
Oxygen Saturation (SpO_2) 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	6.9″ 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[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
Type of Protection	Internally Powered (Battery Powered)
Degree of Protection	Type BF-Applied part
Mode of Operation	Continuous

[1] A_{RMS} Accuracy is calculated based upon measurement values that are statistically distributed; approximately 68% of the measured values fell within ± the A_{RMS} 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. *Masimo SET® Measure-through Motion technology includes SpO_2 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.

AVOBUS EQUIPMENT
law restricts this device to sale by or on the order
ructions for use for full prescribing information,
To Purchase, Visit Avobus.com or call 1-800-674-3655

Masimo U.S.
Tel: 1 877 4 Masimo
…america@masimo.com

Masimo International
Tel: +41 32 720 1111
info-international@masimo.com

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