Radius-7®

Masimo SET® Measure-through Motion and Low Perfusion and rainbow SET™ Technology in a Tetherless, Wearable Patient Monitor

Pulse Oximetry

SpO2	PR	Pi	PVi®
Oxygen Saturation[†]	Pulse Rate[†]	Perfusion Index	Pleth Variability Index

rainbow SET™

SpHb®	SpMet®	SpCO®	SpOC™	ORi™	RRa®
Total Hemoglobin	Methemoglobin	Carboxyhemoglobin	Oxygen Content	Oxygen Reserve Index	Acoustic Respiration Rate

97 SpO₂ **15** RRa
74 PR **4.0** Pi

Radius-7™

Small, lightweight, wearable design promotes patient comfort and ambulation

> Eliminates the need for clinicians to disconnect the monitor each time the patient gets out of bed

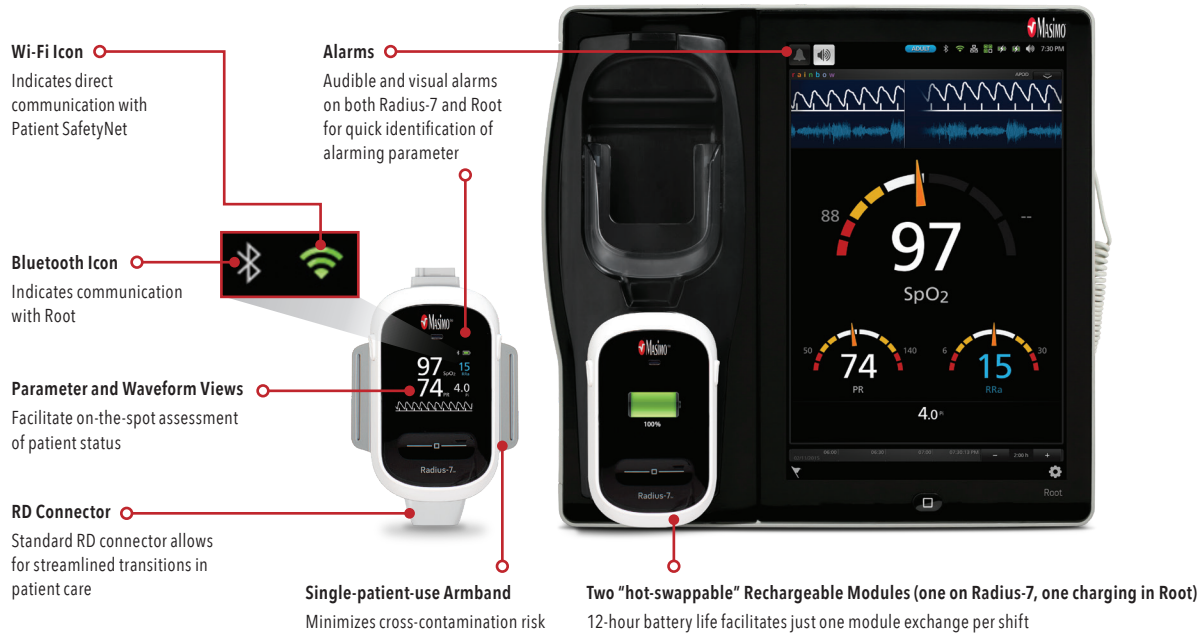> Two "hot-swappable," rechargeable modules minimize monitoring interruption

Wireless connectivity

> Communicates via Bluetooth® to Root® for continuous bedside monitoring and alarm notifications

> When out of Bluetooth range, Radius-7 communicates via Wi-Fi to Patient SafetyNet™‡ for continuous supplemental monitoring and remote clinician alarm notifications*

> When out of Bluetooth and Wi-Fi range, Radius-7 acts as a standalone, wearable monitor which stores up to 6 hours of data

MASIMO

Flexible Functionality

> When out of Bluetooth range, Radius-7 communicates via Wi-Fi to Patient SafetyNet and maintains continuous communication with the hospital's EMR[**]

Wi-Fi Icon
Indicates direct communication with Patient SafetyNet

Bluetooth Icon
Indicates communication with Root

Parameter and Waveform Views
Facilitate on-the-spot assessment of patient status

RD Connector
Standard RD connector allows for streamlined transitions in patient care

Alarms
Audible and visual alarms on both Radius-7 and Root for quick identification of alarming parameter

Single-patient-use Armband
Minimizes cross-contamination risk

Two "hot-swappable" Rechargeable Modules (one on Radius-7, one charging in Root)
12-hour battery life facilitates just one module exchange per shift

Radius-7 Specifications

ENVIRONMENTAL

Operating Temperature	41–95° F (5–35° C)
Atmospheric Pressure	540–1,060 mBar

COMMUNICATION

Communication Compliance
USA

Radius-7	FCC ID: VKF-RADIUS
Radius-7 with Wi-Fi	FCC ID: VFK-MWM1

Interfaces	802.11a/b/g
Radio	Bluetooth, Wi-Fi
Wi-Fi Security	WPA-TKIP, WPA2-AES
	40/64-104,128/152-bit WEP IEEE 802.1X
	wireless client support and wired
	LAN authentication EAP-TLS, PEAP

PHYSICAL CHARACTERISTICS

Dimensions	124.46 mm(L) x 63.5 mm(W) x 27.94 mm(H)
Weight	0.35 lbs. (160g)

BATTERY

Capacity	12 hours[1]

COMPLIANCE

Safety Standard(s)	ANSI/AAMI ES 60601-1, CAN/CSA C22.2 No.60601-1, IEC/EN 60601-1
Pulse Oximeter Standard(s)	ISO 80601-2-61
Alarm Standard(s)	IEC 60601-1-8
EMC Standard(s)	EN 60601-1-2, Class B
Type of Protection	Internally Powered
Degree of Protection	Type BF, Defib Proof-Applied Part
Mode of Operation (per IEC 60601-1)	Continuous Operation
Enclosure Degree of Protection	IP24

ORDERING INFORMATION

Radius-7	PN 9916
Radius-7 with Wi-Fi	PN 9903

[*] Features only available with Wi-Fi version of Radius-7.
[†] Masimo SET® Measure-through Motion technology includes SpO_2 and PR.
[‡] The use of the trademark Patient SafetyNet is under license from University HealthSystem Consortium.
[1] Battery capacity during continuous Masimo SET® monitoring when display is off, Wi-Fi is off, and Bluetooth is on.

Radius-7 with Wi-Fi is not licensed for sale in Canada.

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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