

Radius-7™

The Power of Masimo's Breakthrough Measurements in a Patient-worn Monitor

With breakthrough rainbow SET® technology and wireless communication, Radius-7 is designed to allow patient mobility along with continuous monitoring, enabling early identification of clinical deterioration.

> Breakthrough rainbow SET® measurements

- Oxygen saturation (SpO₂) and pulse rate monitoring with Masimo SET® Measure-through Motion and Low Perfusion™ pulse oximetry for reliable detection of desaturation and accurate pulse rate while dramatically reducing false alarms^{1,2}
- Respiration rate monitoring through either rainbow Acoustic Monitoring™ for acoustic respiration rate (RRa®) or through the plethysmograph waveform (RRp™) to identify respiratory depression or tachypnea³
- Noninvasive and continuous haemoglobin (SpHb®) monitoring with rainbow® Pulse CO-Oximetry may help clinicians detect bleeding earlier, avoid unnecessary blood draws, and optimise transfusion decisions



> Small, lightweight, and wearable for untethered monitoring and ambulation

- Designed to promote greater patient comfort and independence
- Reduces the need for nurses to disconnect the monitor each time the patient gets out of bed

> Standard wireless communication

- Short-range communication to Root® with secured Bluetooth
- Upgradeable to WiFi* for direct communication throughout the hospital to the Patient SafetyNet™*** remote monitoring system



FLEXIBLE FUNCTIONALITY

- > Intuitive touch-pad navigation and trend views facilitate on-the-spot assessment of patient status
- > Configurable display shut-off minimises patient distraction and supports privacy while ambulating
- > Alarms through Root when in range or directly on Radius-7 when out of range
- > Two "hot-swappable," rechargeable modules (one on Radius-7, one charging in Root) minimise monitoring interruption
- > 12-hour battery life facilitates just one module exchange per shift
- > Single-patient use armband minimises cross-contamination risk while ensuring patient comfort
- > Seamless module pairing with Root to facilitate nursing workflows



Each Radius-7 comes with two rechargeable, "hot-swappable" modules.

SPECIFICATIONS

PHYSICAL CHARACTERISTICS

Dimensions 5.1" x 2.8" x 1.2" (130 mm x 70 mm x 30 mm)
Weight 0.34lbs. (155g)

DISPLAY/INDICATORS

Data display: SpO₂, pulse rate, Respiratory Rate (RRa and RRp), SpHb, SpMet, PVI, SpCO, perfusion index, SpOC, pleth waveform, Signal IQ, RRa waveform, alarm status, status messages, FastSat®, as well as MAX, Norm, and APOD sensitivities
Display Update Rate 1 second

ALARMS

Audible alarms sound on Root when connected via Bluetooth. Audible alarms sounds on Radius-7 when not connected to Root via Bluetooth. Visual alarms are displayed on both Radius-7 and Root.

BATTERY MODULE

Type Lithium ion
Capacity (battery life) 12 hours
Charging Time ≤ 6 hours

COMMUNICATION

Radio Bluetooth

Communication Compliance

USA FCC ID: VKF-RDS7A
Model – RDS-7: FCC parts 15.207, 15.209, 15.247, and 15.407
Canada IC: 7362A-RDS7
IC Model: RDS-7
RSS-210
Europe R&TTE Directive EN 300 328, EN 301 893, EN 301 489-17

For complete specifications, including measurements, see Operator's Manual.

¹ Taenzer A.H., et al. *Anesthesiology*. 2010 Feb;112(2):282-7. ² Pyke Joshua et al. *Patient Safety & Quality Healthcare*. May/June 2009. ³ Ramsay M.A.E. et al. *Anesth Analg* 2013

* The configuration for long-range communication is pending CE marking.

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