

Radius VSM™

Patient-worn, Continuous Vital Signs Monitor



Radius VSM is a patient-worn vital signs monitor featuring a wide range of physiological measurements. Designed on a modular platform, Radius VSM combines the reliability and accuracy of a bedside monitor with the comfort and freedom of a wearable device that encourages ambulation and movement while ensuring a patient remains continuously monitored without interruption.

Suitable for use across the continuum of care, Radius VSM offers advanced flexibility and is easily scalable to accommodate surges in patient volume and each patient's level of acuity.



The Versatility of a Bedside Monitor in a Patient-worn Device



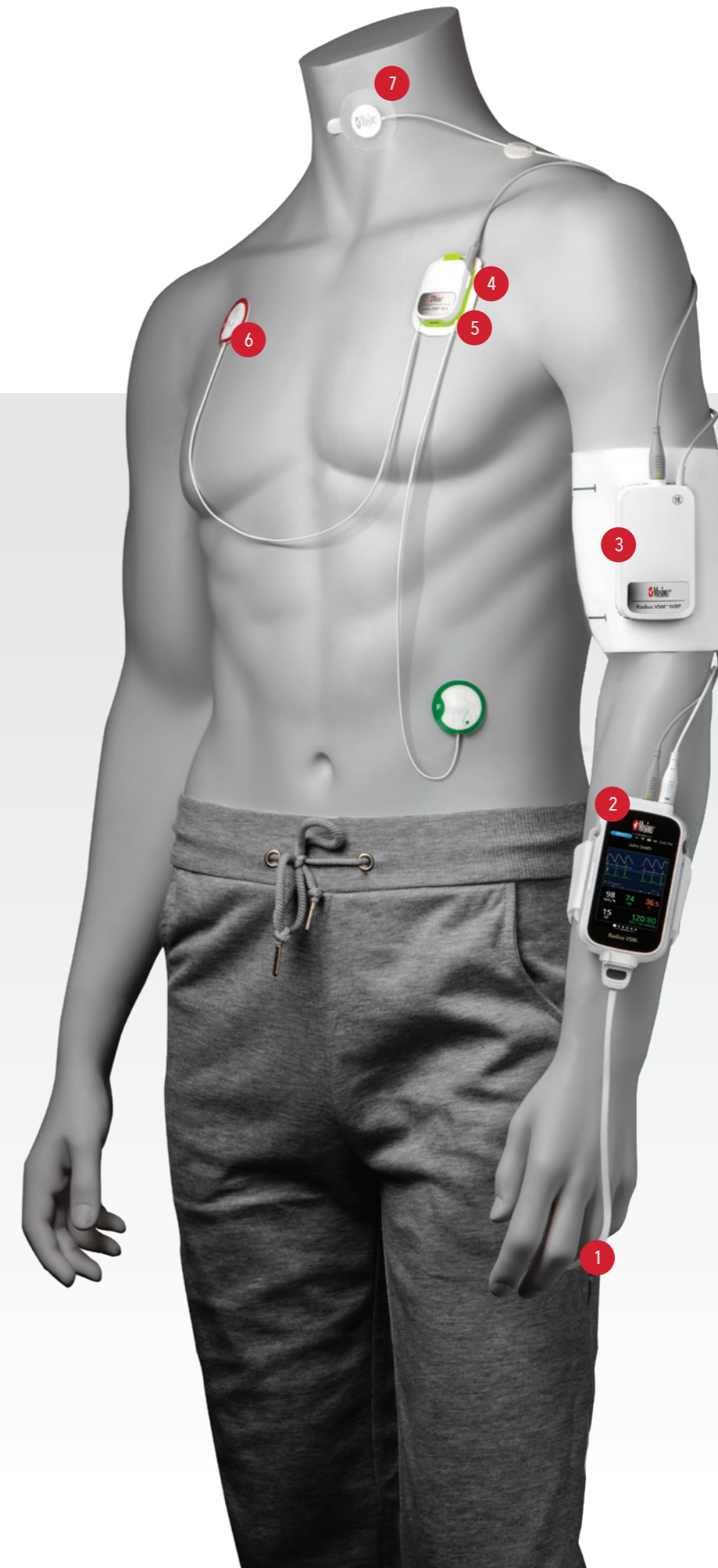
Radius VSM with SpO2



Radius VSM with SpO2 and NIBP



Radius VSM with SpO2, NIBP, ECG, Continuous Body Temperature, Acoustic Respiration Rate, and Patient Orientation, Position, and Activity Monitoring



This compact, modular system features:

- 1 Clinically proven Masimo SET® Measure-through Motion and Low Perfusion™ pulse oximetry, including oxygen saturation (SpO2), pulse rate (PR), perfusion index (Pi), pleth variability index (PVi®), and plethysmographic respiration rate (RRp®)
- 2 An aggregate respiration rate measurement derived from as many respiration rate methods as are currently connected to Radius VSM, including measurement from the pleth, from the sound of breathing, from impedance, and from chest wall movement
- 3 Measure-on-inflation noninvasive blood pressure (NIBP) featuring single-patient-use cuffs, customisable scheduling (which reduces the need for periodic manual clinician measurement), and variable inflation speeds
- 4 Continuous body temperature measurements with notifications when clinician-specified temperature thresholds are breached
- 5 Patient orientation, position, and activity monitoring, alerting clinicians to unsupervised patient movement and detecting patient falls, as well as preventable pressure injuries, with the additional ability to display respiration rate based on chest wall movement
- 6 Electrocardiography (ECG) with heart rate, respiration rate, and lethal arrhythmia detection using 3-leadwire single-patient-use electrodes offering 6 ECG waveforms: I, II, III, aVR, aVL, and aVF
- 7 RRa® continuous acoustic respiration rate monitoring using rainbow Acoustic Monitoring®, which converts the acoustic patterns caused by the patient's airflow into breath cycles to calculate respiration rate and visualise an acoustic respiration waveform

A Flexible Continuous Monitor Suitable for the Whole Patient Journey



A Personalised Monitoring Solution

Radius VSM is built on a modular platform that enables clinicians to monitor based on the unique needs of the patient at every stage of the patient journey.

Information on the Go

Radius VSM provides waveform and parameter trend data on its built-in multi-touch LED display, allowing clinicians to stay informed about patient status while moving about with the patient.



Monitoring on the Move

Radius VSM enables patients to ambulate comfortably while remaining continuously monitored.

Rest Without Distraction

With customisable scheduling and variable inflation speeds, Radius VSM encourages patients to rest comfortably without the disruption of periodic manual measurements.



Streamlining Workflows

When integrated into the Masimo Hospital Automation™ platform, Radius VSM helps simplify clinical workflows by automating patient data transfer to centralised supplemental monitoring systems and documentation in electronic medical records (EMRs).



Quickly Configure to Monitor What Each Patient Needs

Radius VSM is built on a modular, wearable platform that allows providers to equip any bed with comprehensive monitoring. Components can be quickly added or removed depending on each patient's monitoring needs. Without additional bedside equipment, network infrastructure, or tethered connections, Radius VSM integrates a variety of technologies, modules, and noninvasive sensors.

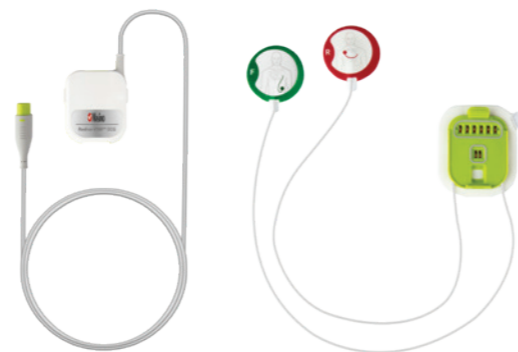


Wearable Radius VSM Device

- > An intuitive, easy-to-use, touchscreen colour display
- > ECG, plethysmographic, and acoustic respiration waveforms displayed on device
- > Visual and audible alarms
- > Built-in rechargeable battery with up to 12 hours of battery life
- > Rugged, durable design withstands busy hospital environments and drops of up to one meter
- > Water resistant

Reusable Multi-functional Pod with Single-patient-use Electrodes

- > Reusable ECG module connects seamlessly to 3-leadwire single-patient-use electrodes
- > Detects heart rate, respiration rate, and advanced lethal arrhythmia
- > Offers continuous temperature measurement and patient activity tracking, including patient position and fall detection monitoring



Noninvasive Blood Pressure Module

- > Features measure-on-inflation technology and lightweight single-patient-use cuffs
- > Customisable scheduling, reducing the need for periodic manual clinical measurement
- > Variable inflation speeds: quicker for ambulating patients and slower for resting patients, minimising the possibility of sleep disruption

Connectivity and Data Integration

Radius VSM can operate as a self-contained device or connect wirelessly to Masimo bedside monitors and patient surveillance systems for flexible use in a variety of scenarios.



Enhanced Visibility with the Root® Patient Monitoring and Connectivity Hub

Radius VSM connects via wireless Bluetooth® to Root at the bedside, offering care teams:

- > Enhanced visibility of data and waveforms on the larger Root screen
- > Automated transfer of patient data to emergency medical records (EMRs)
- > Storage and display of up to 96 hours of parameter trend data and ECG waveforms

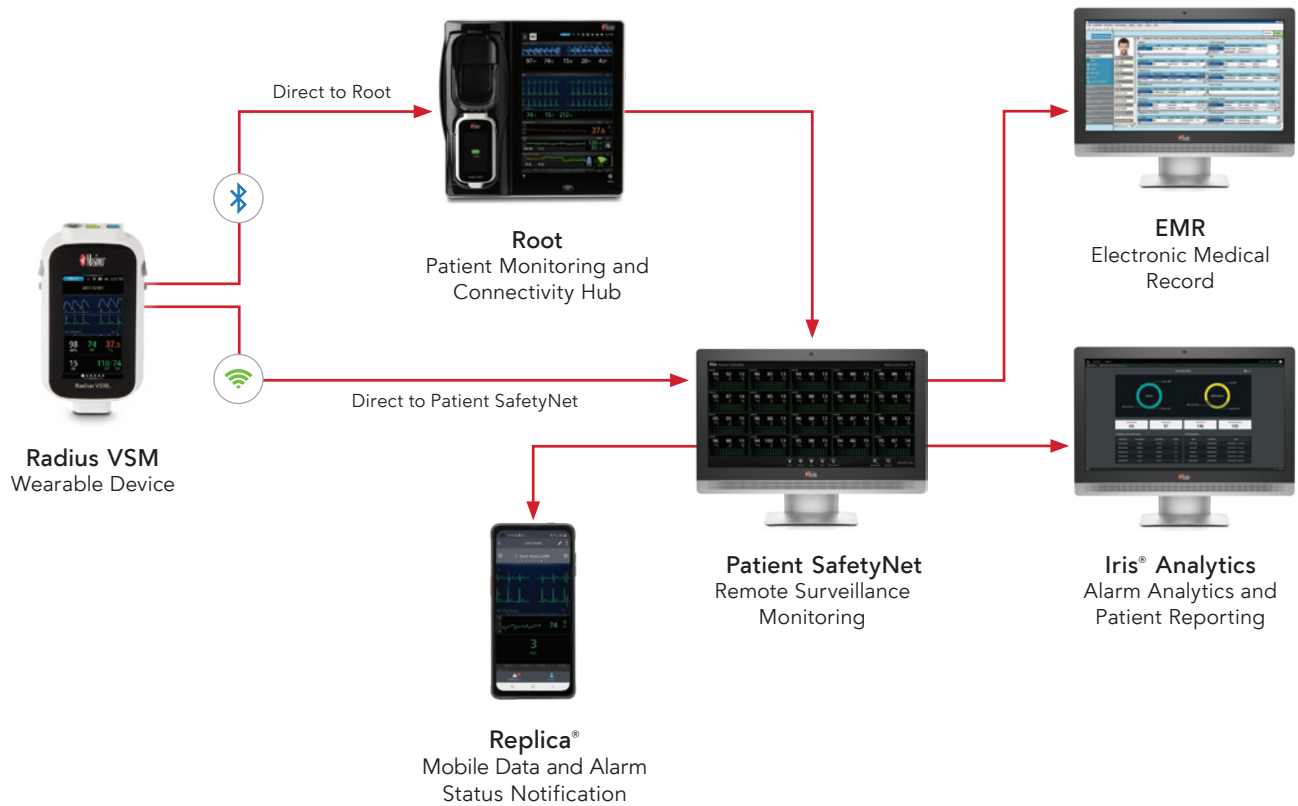
Centralised Monitoring with the Patient SafetyNet™ Supplemental Remote Monitoring and Clinician Notification System

Radius VSM independently communicates via Wi-Fi with Patient SafetyNet, enabling use as part of a patient surveillance system, helping care teams:

- > Monitor patient status from a centralised viewing station
- > Receive remote alarm notifications anywhere in the hospital
- > Track continuous vital signs and ECG data from afar
- > Automate transfer of patient data to EMRs
- > Store and display up to 96 hours of parameter trend data and ECG waveforms



The Radius VSM Connected Solution



Ordering Information

Radius VSM Device and Modules

Radius VSM Device, 1/box	9037
Radius VSM Multi-Functional Reusable Pod	4888
Radius VSM NIBP Module	4889
Radius VSM Root Charger	4784

Ready-to-go Configuration Kit

Radius VSM Kit ¹	9036
Kit Contents	2 Radius VSM Devices
	1 Multi-functional Reusable Pod
	1 NIBP Module

Sensors and Accessories

RD SET [®] Adt CS-1, Adult Adhesive SpO ₂ Sensor, 20/box	4615
RD SET Neo CS-1, Neonatal/Adult Adhesive SpO ₂ Sensor, 20/box	4886
Radius VSM - ECG Electrode Set, Adult 3-Lead, EIC, 20/box	4695
Radius VSM Disposable NIBP Cuff, Small Adult, 20/box	4825
Radius VSM Disposable NIBP Cuff, Adult, 20/box	4826
Radius VSM Disposable NIBP Cuff, Large Adult, 20/box	4827
Radius VSM RAS-45 Acoustic Respiration Sensor, Adult, 10/Box	4828
Radius VSM Disposable Arm Band, Large, 20/box	301027
Radius VSM Disposable Arm Band, Medium, 20/box	301028
Radius VSM Disposable Arm Band, Small, 20/box	301029

*The use of the trademark Patient SafetyNet is under license from University HealthSystem Consortium.

¹ Kit does not include Root charger, sensors, cuffs, or accessories. Items must be ordered separately.

Radius VSM has obtained CE Marking. Not available for sale in the US. Radius VSM is not licensed for sale in Canada.

For professional use. See instructions for use for full prescribing information, including indications, contraindications, warnings, and precautions.

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