Radius VSM™

Patient-worn, Continuous Vital Signs Monitor (VSM)

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 allows 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.

Masimo®

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

Radius VSM with SpO_2

Radius VSM with SpO_2 and NIBP

Radius VSM with SpO_2, NIBP, ECG, Continuous 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 (SpO_2), pulse rate (PR), perfusion index (Pi), pleth variability index (PVi®), and plethysmographic respiration rate (RRp®)
2. Multiple respiration rate measurements, including measurement from the pleth, from the sound of breathing, and from impedance
3. Measure-on-inflation noninvasive blood pressure (NIBP), featuring single-patient-use cuffs and automatic intervals (which reduces the need for periodic manual clinician measurement)
4. Continuous skin 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 possible patient falls, as well as preventable pressure injuries
6. Electrocardiography (ECG): continuous 6-lead monitoring available (I, II, III, aVR, aVL, and aVF) with heart rate, respiration rate, and lethal arrhythmia detection, using single patient use, easy-to-apply pre-connected 3-electrode leadwire
7. rainbow Acoustic Monitoring®, which uses an adhesive Respiratory Acoustic Sensor (RAS) to detect the acoustic signals produced by airflow in the upper airway and convert these acoustic patterns into respiration rate, also visualized as a waveform

A Flexible Continuous Monitor Suitable for the Whole 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.

A Personalized 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.

Monitoring on the Move

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

Rest Without Distraction

With continuous vital signs monitoring and automatic interval blood pressure measurements, Radius VSM allows 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 centralized 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 color display
> ECG, plethysmographic, and acoustic respiration waveforms displayed on device
> Visual and audible alarms
> Built-in rechargeable battery with up to 10 hours of battery life
> Rugged, durable design withstands busy hospital environments and drops of up to one meter
> Water resistant
> Storage and display of up to 96 hours of parameter trend data and ECG waveforms

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

> Electrocardiography (ECG): continuous 6-lead monitoring (I, II, III, aVR, aVL, and aVF) with heart rate, respiration rate, and lethal arrhythmia detection, using single-patient-use easy-to-apply pre-connected 3-electrode leadwire
> Pre-connected format designed to minimize disruptions in monitoring due to lead disconnection or poor adhesion, which minimizes missed cardiac events and nuisance alarms
> Detects heart rate, respiration rate, and lethal arrhythmias
> Offers continuous temperature meaurement 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
> Automatically measures at pre-determined intervals, reducing the need for periodic manual clinical measurement
> Designed to suppress noise and provide a better patient experience

rainbow Acoustic Monitoring

> Displays continuous respiration rate (RRa) and an acoustic respiration waveform, a visualization of the acoustic signal caused by the patient's airflow.
> Continuous respiration rate monitoring of patients may provide clinicians with an indication of changes in respiration or incidence of respiratory pause.
> Small size with thin, flexible adhesive allows for comfortable application.

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)

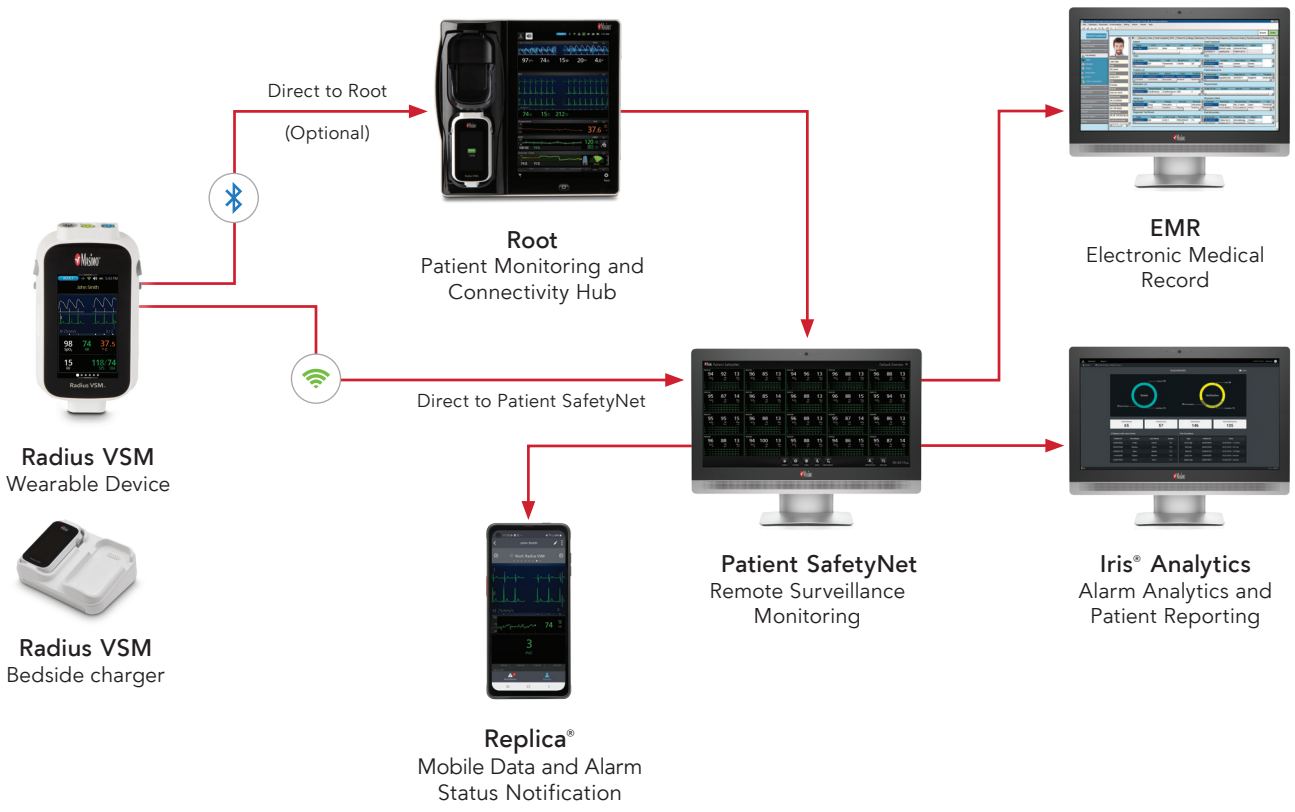
Centralized Monitoring with the Patient SafetyNet™* Supplemental Remote Monitoring and Clinician Notification System

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 centralized 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 full disclosure of up to 96 hours of parameter trend data and waveforms

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

The Radius VSM Connected Solution



Ordering Information

Radius VSM Device and Modules

Radius VSM Device, 1/box	9037
Radius VSM Bedside Charger	9040
Radius VSM Muli-Functional Reusable Pod	4888
Radius VSM NIBP Module	4889
Radius VSM Root Charger	4784

Ready-to-go Configuration Kit

Radius VSM Kit†	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 SpO2 Sensor, 20/box	4615
RD SET Neo CS-1, Neonatal/Adult Adhesive SpO2 Sensor, 20/box	4886
Radius VSM- ECG Electrode set, Adult 3-Leadwire, AAMI/AHA, 20/Box	4842
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

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

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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