

Root™

Patient Monitoring Platform Designed to Transform Care



Root™ offers multiple high-impact innovations for broad application across the continuum of care:

- > Instantly interpretable, high-visibility display of Masimo's breakthrough rainbow® and SET® measurements from Masimo's Radical-7® handheld monitor
- > Intuitive, touchscreen navigation for easy and adaptable use in any hospital environment
- > Flexible measurement expansion through Masimo Open Connect (MOC-9™)
 - SedLine® brain function monitoring, designed to improve the care of patients under anesthesia or sedation

CUSTOMIZABLE FOR ANY CARE AREA



> Root with Trend View



> Root with Analog View

PERFORMANCE

ELECTRICAL

Root	
AC Power Requirements	100-240 VAC, 47-63 Hz
Power Consumption	.65W (Max)
Fuses Each With	.2 Amp, Fast Acting, Metric, (5x20mm), 250V
Battery	
Type	10.8V Lithium Ion (Nominal)
Capacity	4 Hours*
Maximum Charging Time	4 Hours

ENVIRONMENTAL

Operating Temperature	32°F to 122°F (0°C to 50°C)
Transport/Storage Temperature	-40°F to 158°F (-40°C to 70°C)
Operating Humidity	10% to 95%, Non-Condensing
Storage Humidity	10% to 95%, Non-Condensing
Operating Altitude	500 mbar to 1060 mbar -1,000 ft to 18,000 ft (-304 m to 5,486 m)

PHYSICAL CHARACTERISTICS

Weight	<8 lbs (3.63 kg)
Dimension	11 in x 10.5 in x 5.5 in (27.94 cm x 26.67 cm x 13.97 cm)
Display	
Type	Backlit Active Matrix TFT LCD
Resolution	1280 x 800 Pixels
Color	24 bit RGB
Size	10.1 in (25.65 cm) Diagonal
Touchscreen	
Type	Multi-Touch P-Cap

CONNECTIONS

Connector	Type (Number of Ports)
Nurse Call	1/4-in Round Female (1)
MOC-9	Masimo Connector (3)
USB	USB 2.0 (2)

*This represents approximate run time at the lowest indicator brightness, using a fully charged battery.

Caution: Federal law restricts this device to sale by or on the order of a physician.



Root[®] with Noninvasive Blood Pressure and Temperature

Expandable, Versatile, and Customizable Patient Monitoring and Connectivity Hub



THE ROOT OF PATIENT CARE



Patient Monitoring and Connectivity Platform with Noninvasive Blood Pressure and Temperature

Streamline clinician workflows with Root, a versatile patient monitoring and connectivity platform. Root integrates noninvasive technologies usually found on multiple separate devices into one comprehensive, powerful vital signs monitor.

Noninvasive Blood Pressure and Temperature (NIBPT) Measurement



NIBP Modes

Adaptable to various workflows, with three NIBP measurement modes:

- > **Automatic Interval** – Root can measure blood pressure automatically at fixed or varying intervals to facilitate routine spot-checks
- > **Stat Interval** – Root can automatically take consecutive blood pressure measurements for up to 10 minutes to aid in critical cases
- > **Spot-check** – On-demand blood pressure measurement

Temperature

Adaptable to various workflows, with two optional temperature measurement types:

- > Integrated oral/axillary temperature module to fit various workflows and use cases
 - Spot-check and continuous modes
 - Multi-site application
- > Optional wireless thermometer reduces risk of patient cross-contamination
 - Non-contact infrared measurement
 - Bluetooth connectivity to Root

Integrated Monitoring

Root brings multiple high-impact innovations such as Masimo SET® Measure-through Motion* and Low Perfusion™ pulse oximetry, upgradeable rainbow SET™ measurements, as well as rainbow Acoustic Monitoring® for broad application across the continuum of care.

- > Instantly interpretable, high-visibility display of Masimo’s breakthrough rainbow® and SET® measurements from Masimo’s Radical-7 handheld monitor and Radius-7 wearable monitor
- > Intuitive, touchscreen navigation for easy and adaptable use in any hospital environment
- > Highly customizable, with the ability to integrate and swap out either Radical-7 or Radius-7 based on the use case (bedside or ambulation)



Radius-7® Wearable Patient Monitor



Radical-7® Handheld Monitor

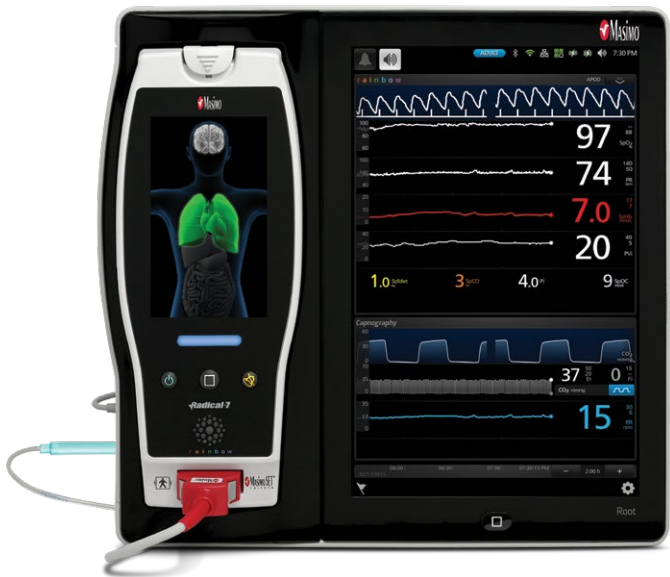
* Masimo SET® Measure-through Motion technology includes SpO2 and PR.



Expanded Monitoring

Masimo Open Connect® (MOC-9®)

- > MOC-9 modules expand Root's monitoring capabilities with additional Masimo and third-party measurement technologies, allowing clinicians to connect the most applicable monitoring solutions



Root with NomoLine® Capnography provides sidestream CO2 and multi-gas monitoring with moisture removal technology



Other Available MOC-9 Modules



Root with Next Generation SedLine® Brain Function Monitoring utilizes four simultaneous channels of EEG data to provide continuous information about the state of the brain under anesthesia



Root with O3® Regional Oximetry uses near-infrared spectroscopy (NIRS) to enable monitoring of tissue oxygen saturation (rSO2) in the brain

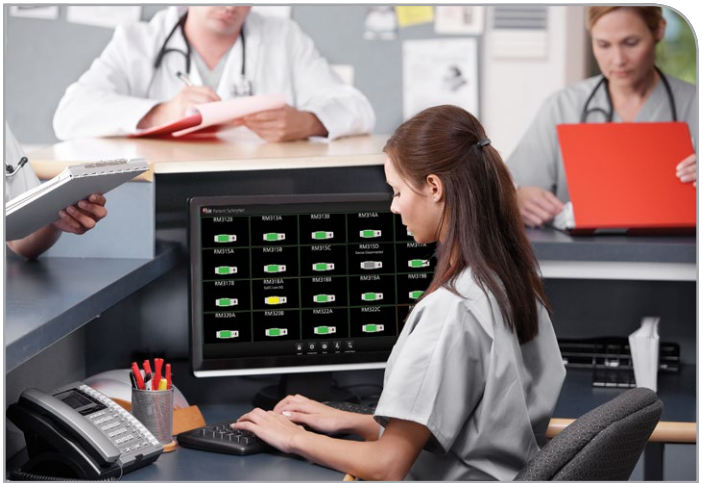
Connected Monitoring

Advanced Connectivity with Iris Gateway™



Bedside Device Monitoring

- > Connect third-party devices to Root using Iris® ports
- > Automatically and continuously transfer device data, waveforms, and alarms to Patient SafetyNet™* or Iris Gateway
- > Display near real-time data from Root and connected third-party devices on Patient SafetyNet's central view station



EMR Integrated Monitoring

- > Optimize care provider workflows by automatically charting data from Root and connected third-party devices in the patient's electronic medical record (EMR)



Remote Monitoring and Alarm Notification

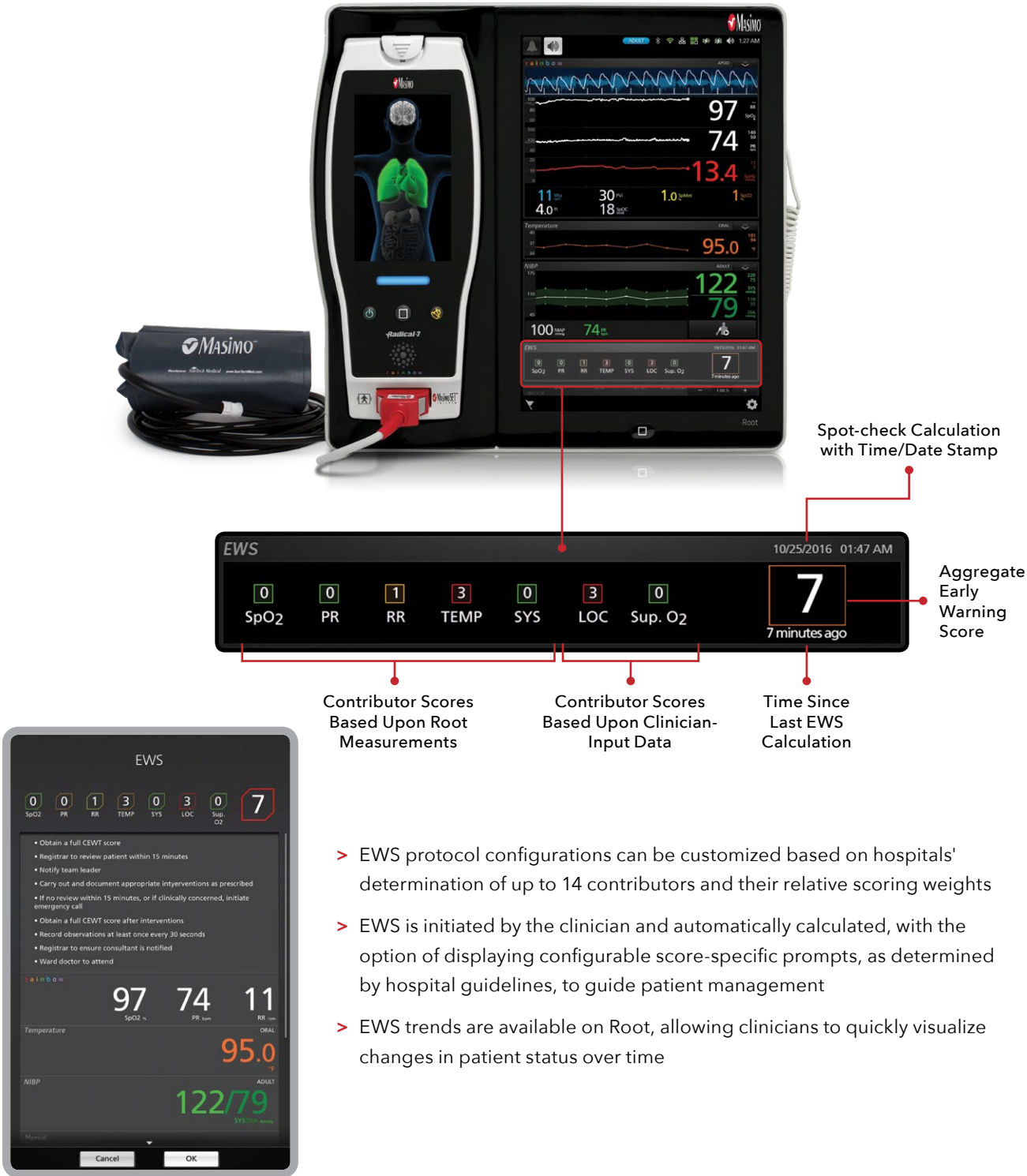
- > With Replica™, send patient bedside device alarms directly to available clinicians, with automatic escalation, helping facilitate quick patient assistance

*The use of the trademark PATIENT SAFETYNET is under license from University HealthSystem Consortium.

Tailored Monitoring

Configurable Early Warning Scores (EWS)

Root automates the calculation of EWS. EWS systems help clinicians by providing standardized scores to aid them in evaluating the degree of deterioration (or improvement) in a patient’s status. By automating the calculation, which is based on Root-measured physiological contributors, clinician-entered data, and each care area's or institution's EWS protocol, Root facilitates efficient clinical workflows, so that clinicians can spend more time with patients, not performing manual calculations.



EMR Push

Combining Continuous and Spot-Check Workflows

- > EMR Push gives clinicians the ability to transfer spot-check measurements, observations, and EWS from the patient bedside into EMRs on demand, helping to build more comprehensive records
- > EMR Push can be initiated without interrupting continuous monitoring mode
- > Enhance workflow efficiency by having all data gathered at a single point of entry, with the ability to include up to 30 manual-entry values



Vital Signs Check



Vital Signs Workflow

- > Seamless transition from continuous to vital signs check mode
- > Vital signs check mode automates data collection and charting

Vital Signs Workflow



- 1 ADT barcode scanning for patients and clinicians



- 2 Collect and review measurements



- 3 Send to EMR with Iris connectivity



EWS 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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