

# Root<sup>®</sup>

With Noninvasive Blood Pressure and Temperature Monitoring



Root offers multiple high-impact innovations for use across the continuum of care:

- > Integrates Masimo's breakthrough measurements from the Radical-7<sup>®</sup> handheld or Radius-7<sup>®</sup> patient-worn monitor
- > Instantly interpretable, high visibility display with intuitive, multi-touchscreen navigation for easy and adaptable use in hospital environments
- > Integrated noninvasive blood pressure and temperature monitoring
- > When used with Patient SafetyNet™\* version 5000 or higher, Root enables clinicians to document vital signs data, measured from supported devices or manually entered on Root, to the patients' Electronic Medical Record (EMR)
- > Flexible measurement expansion through Masimo Open Connect™ (MOC-9™)
  - ISA™ CO2 capnography for sidestream monitoring featuring Nomoline™ technology for extended monitoring and cost-effective consumables
  - Designed to enable third-party MOC-9 measurement expansion

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



# Customizable for Healthcare Environments



- > Root shown with noninvasive Masimo SET® Measure-through Motion and Low Perfusion™ pulse oximetry, rainbow® Pulse CO-Oximetry, rainbow Acoustic Monitoring®, blood pressure, and temperature

## Root Specifications

MEASUREMENT ACCURACY	ENVIRONMENTAL																
<p><b>NIBP</b> Between 0 mmHg and 300 mmHg ..... ±3 mmHg</p> <p><b>Temperature</b> Between 80° F and 110° F (26.7° C and 43.3° C) ..... ±0.2° F (0.11° C)</p>	<p>Operating Temperature ..... 50°-104° F (10°-40° C) Transport/Storage Temperature ..... -4°-122° F (-20°-50° C) Operating Humidity ..... 15-95%, Non-condensing Storage Humidity ..... 15-95%, Non-condensing Operating Altitude ..... 500 mbar to 1060 mbar -1,000-18,000 ft (-304-5486 m)</p>																
DISPLAY RANGES	PHYSICAL CHARACTERISTICS																
<p><b>NIBP (Adult, Pediatric, Neonatal)</b> Systolic ..... 40-260 mmHg, 40-230 mmHg, 40-130 mmHg Diastolic ..... 20-200 mmHg, 20-160 mmHg, 20-100 mmHg MAP ..... 26-220 mmHg, 26-183 mmHg, 26-110 mmHg</p> <p><b>Temperature</b> Temperature ..... 80-110° F (26.7-43.3° C)</p>	<p>Weight ..... 7.42 lbs (3.37 kg) Dimension ..... 11 in x 10.5 in x 5.5 in (27.94 cm x 26.67 cm x 13.97 cm)</p> <p><b>Display</b> Type ..... Backlit Active Matrix TFT LCD Resolution ..... 1280 pixels x 800 pixels Color ..... 24-bit RGB Size ..... 10.1 in (25.65 cm) Diagonal</p> <p><b>Touchscreen</b> Type ..... Multi-Touch P-Cap</p>																
ELECTRICAL	CONNECTIONS																
<p><b>Root</b> AC Power Requirements ..... 100-240 VAC, 47-63 Hz Power Consumption ..... 180 VA (Max) Fuses Each With ..... 2 Amp, Fast Acting, Metric, (5x20 mm), 250 V</p> <p><b>Battery</b> Type ..... 10.8 V Lithium Ion (Nominal) Capacity ..... 4 Hours<sup>§</sup> Maximum Charging Time ..... 4 Hours</p>	<table border="1"> <thead> <tr> <th>Connector</th> <th>Type (Number of Ports)</th> </tr> </thead> <tbody> <tr> <td>Ethernet</td> <td>10/100 Mbps (1)</td> </tr> <tr> <td>Nurse Call</td> <td>1/4-in Round Female (1)</td> </tr> <tr> <td>MOC-9</td> <td>Masimo Connector (3)</td> </tr> <tr> <td>Iris</td> <td>RJ-45 (4)</td> </tr> <tr> <td>USB</td> <td>USB 2.0 Type A (2)</td> </tr> <tr> <td>NIBP</td> <td>Male Quick Connect (1)</td> </tr> <tr> <td>Temperature</td> <td>Probe Connector (1)</td> </tr> </tbody> </table>	Connector	Type (Number of Ports)	Ethernet	10/100 Mbps (1)	Nurse Call	1/4-in Round Female (1)	MOC-9	Masimo Connector (3)	Iris	RJ-45 (4)	USB	USB 2.0 Type A (2)	NIBP	Male Quick Connect (1)	Temperature	Probe Connector (1)
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<sup>§</sup>This represents approximate run time at the lowest brightness, using a fully charged battery.

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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