

Root™

Patient Monitoring and Connectivity Platform 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 anaesthesia or sedation
 - Phasein™ capnography for sidestream monitoring featuring the Nomoline™ single or multi-use adapter for cost-effective consumable options
 - Designed for third-party measurement expansion to allow other companies to add to the platform's measurements
- > Built-in connectivity gateway through Iris™ for standalone devices such as IV pumps, ventilators, beds, and other patient monitors
- > Automatic display of parameters, waveforms, and viewing configuration based on the clinician's presence through MyView™ technology

CUSTOMISABLE 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
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CONNECTIONS

Connector	Type (Number of Ports)
Ethernet	10/100 MBps (1)
Nurse Call	.1/4-in Round Female (1)
MOC-9	Masimo Connector (3)
USB	USB 2.0 (2)
Iris	RS-232/RJ-45 (4)

COMMUNICATION SPECIFICATIONS

WLAN Radio	Tri Mode IEEE 802.11 a/b/g Encryption
Encryption	64/128-bit WEP, Dynamic WEP, WPA-TKIP, WPA2-AES Authentication
Authentication	Open System, Shared Key, Pre-Shared Key (PSK), 802.1X: LEAP, PEAP< TTLS, TLS, EAP-FAST

Communication Compliance

USA	FCC ID: VKF-RDS7 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 3000 328, EN 301 893, EN 301 489-17

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

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