Root®

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® handheld or Radius-7® patient-worn monitor

> Instantly interpretable, high visibility display with intuitive, multi-touch navigation for easy and adaptable use in hospital environments

> Flexible measurement expansion through Masimo Open Connect™ (MOC-9™)

> > ISA™ CO_2 capnography for sidestream monitoring featuring Nomoline™ technology for cost-effective consumables

> > Designed to enable third-party measurement expansion

> Integrated noninvasive blood pressure and temperature monitoring

> Automates the calculation of Early Warning Scores (EWS)

> Root with Patient SafetyNet™* version 5.0.0.0 or higher enables clinicians to document vital signs data, measured from supported devices or manually entered on Root, in a patient's Electronic Medical Record (EMR)

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

MASIMO

Customisable for a Variety of Healthcare Environments

> Automated charting of patient data in hospital EMR system via Masimo Patient SafetyNet or Iris Gateway™

> Communicates alerts and alarms wirelessly to Masimo Patient SafetyNet for hospital-wide remote clinician notification

Alarms
Audible and visual alarms on both Root and Radical-7 for quick identification of alarming parameters

Blood pressure accessories
Compatible with a wide variety of disposable and reusable cuffs engineered for reliability and patient comfort

Display
LCD colour multi-touch display with several layout options to suit clinician workflow preferences

Parameter and waveform views
Customisable views support quick assessment of patient status and provide pertinent data at a glance

Noninvasive blood pressure and temperature
Spot-check and customisable interval measurement options

Early Warning Score
EWS calculation at the bedside

Root Specifications

MEASUREMENT ACCURACY

NIBP
Between 0 mmHg and 300 mmHg . . . .±3 mmHg
Temperature
Between 80° F and 110° F (26.7° C and 43.3° C) . . . . ± 0.2° F (0.11° C)

DISPLAY RANGES

NIBP (Adult, Paediatric, Neonatal)
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
Temperature
Temperature. . . . . 80-110° F (26.7-43.3° C)

ELECTRICAL

Root
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
Battery
Type . . . . 10.8 V Lithium Ion (Nominal)
Capacity . . . . .4 Hours§
Maximum Charging Time . . . . 4 Hours

ENVIRONMENTAL

Operating Temperature. . . . . 50° F to 104° F (10° C to 40° C)
Transport/Storage Temperature. . . . . -4° F to 122° F (-20° C to 50° C)
Operating Humidity . . . . .15% to 95%, Non-condensing
Storage Humidity . . . . .15% to 95%, Non-condensing
Operating Altitude . . . . .500 mbar to 1060 mbar
-1,000 ft to 18,000 ft
(-304 m to 5486 m)

PHYSICAL CHARACTERISTICS

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)
Display
Type . . . . .Backlit Active Matrix TFT LCD
Resolution . . . . .1280 pixels 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)
Ethernet	10/100 MBps (1)
Nurse Call	1/4 -in Round Female (1)
MOC-9	Masimo Connector (3)
Iris	RS-232/RJ-45 (4)
USB	USB 2.0 (2)
NIBP	Male Quick Connect (1)
Temperature	MOLEX 52271-0690 (1)

§This represents approximate run time at the lowest 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.

Masimo U.S.
Tel: 1 877 4 Masimo
info-america@masimo.com

Masimo International
Tel: +41 32 720 1111
info-international@masimo.com

Masimo