

O₃™ Regional Oximetry

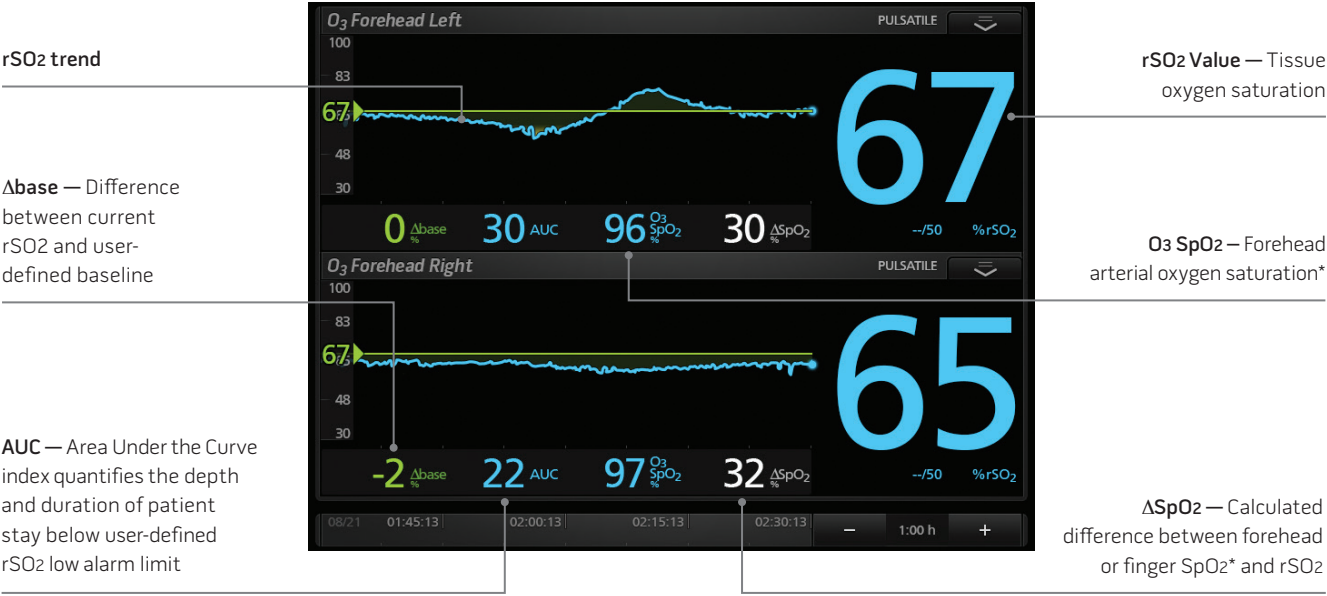
Masimo Open Connect™ (MOC-9™) module for the Root™ patient monitoring and connectivity platform



O₃ Regional Oximetry uses near-infrared spectroscopy (NIRS) and reflectance pulse oximetry to enable monitoring of tissue oxygen saturation (rSO₂) in the brain and provide arterial oxygen saturation (SpO₂) for informational use only.

- > Helps clinicians detect regional hypoxemia that pulse oximetry alone can miss
- > rSO₂ absolute accuracy of 4% and trending accuracy of 3%¹
- > Onboard pulse oximetry capability automates the differential analysis of regional to arterial oxygen saturation for reference purposes
- > Provides continuous display of:
 - Difference between current rSO₂ and user-defined baseline
 - Difference between rSO₂ and SpO₂ (from either the O₃ Sensor or a separate pulse oximetry sensor connected to the Radical-7®)
 - Area under the curve (AUC) to quantify the duration and depth of patient's stay below the user-defined rSO₂ low alarm limit

DISPLAY



O3 MONITORING

Every Root offers plug-and-play monitoring with all MOC-9 modules.²



O3 MOC-9 MODULE SPECIFICATIONS

PHYSICAL CHARACTERISTICS	ENVIRONMENTAL
Length (including cable)..... 12.1 ft (3.7 m)	Operational Temperature 32 to 104°F (0 to 40°C)
Width..... 1.8 in (4.6 cm)	Storage Temperature -40 to 158°F (-40 to 70°C)
Thickness..... 0.6 in (1.5 cm)	Operating and Storage Humidity 10 to 95%, non-condensing
Weight..... 7.1 oz max (200 g max)	Altitude..... Up to 12,000 ft (3700 m)

O3 SENSOR SPECIFICATIONS

Patient Weight ≥40 kg	ENVIRONMENTAL
Application Site Forehead	Operating Temperature at Ambient Humidity 41 to 104°F (5 to 40°C)
Wavelengths..... 4	Storage Temperature at Ambient Humidity..... -40 to 140°F (-40 to 60°C)
	Storage Humidity..... 15% to 90%, 86 to 140°F (30 to 60°C)

ACCURACY SPECIFICATIONS

Trending Regional Oxygen Saturation (rSO2) ARMS**..... 3%	Absolute Regional Oxygen Saturation (rSO2) ARMS** 4%
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Regulatory Notice: O3 is CE Marked and not currently available for sale in the United States.

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

¹ Redford D, Paidy S, Kashif F. Absolute and trend accuracy of Masimo O3 Regional Oximetry in healthy volunteers during controlled hypoxia. *Anesth Analg*. In press. ² If regulatory approval has been obtained in your country and Root has the relevant software update.

* Displayed forehead SpO2 value and trend is for informational use only
** ARMS is defined as root mean square accuracy