

# O<sub>3</sub><sup>™</sup> Regional Oximetry

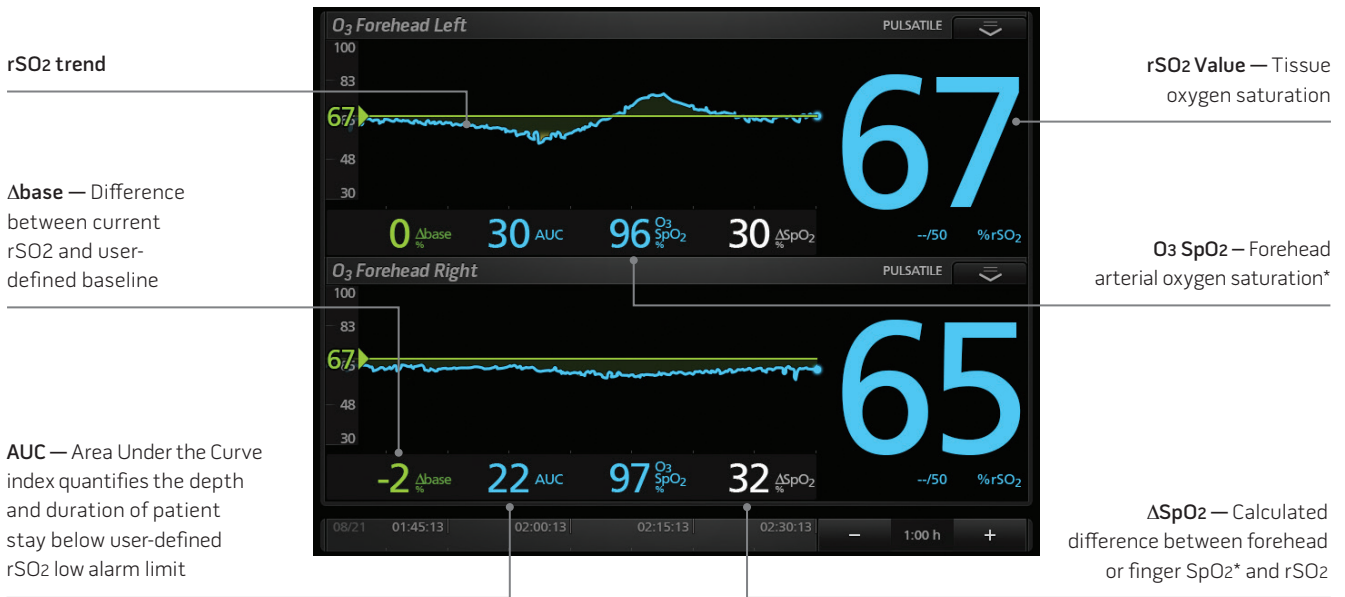
Masimo Open Connect<sup>™</sup> (MOC-9<sup>™</sup>) module for the Root<sup>™</sup> patient monitoring and connectivity platform



O<sub>3</sub> Regional Oximetry uses near-infrared spectroscopy (NIRS) and reflectance pulse oximetry to enable monitoring of tissue oxygen saturation (rSO<sub>2</sub>) in the brain and provide arterial oxygen saturation (SpO<sub>2</sub>) for informational use only.

- > Helps clinicians detect regional hypoxemia that pulse oximetry alone can miss
- > rSO<sub>2</sub> absolute accuracy of 4% and trending accuracy of 3%<sup>1</sup>
- > Onboard pulse oximetry capability automates the differential analysis of regional to arterial oxygen saturation for reference purposes
- > Provides continuous display of:
  - Difference between current rSO<sub>2</sub> and user-defined baseline
  - Difference between rSO<sub>2</sub> and SpO<sub>2</sub> (from either the O<sub>3</sub> Sensor or a separate pulse oximetry sensor connected to the Radical-7<sup>®</sup>)
  - Area under the curve (AUC) to quantify the duration and depth of patient's stay below the user-defined rSO<sub>2</sub> low alarm limit

## DISPLAY



## O<sub>3</sub> MONITORING

Every Root offers plug-and-play monitoring with all MOC-9 modules.<sup>2</sup>



1 Apply the O<sub>3</sub> sensors to the forehead.



2 Connect the O<sub>3</sub> sensors to an O<sub>3</sub> MOC-9 module (up to two sensors per module).



3 Connect the O<sub>3</sub> MOC-9 module to one of three Root MOC-9 Ports.

## O<sub>3</sub> MOC-9 MODULE SPECIFICATIONS

### PHYSICAL CHARACTERISTICS

Length (including cable).....	12.1 ft (3.7 m)
Width.....	1.8 in (4.6 cm)
Thickness.....	.0.6 in (1.5 cm)
Weight.....	7.1 oz max (200 g max)

### ENVIRONMENTAL

Operational Temperature.....	32 to 104°F (0 to 40°C)
Storage Temperature.....	-40 to 158°F (-40 to 70°C)
Operating and Storage Humidity.....	10 to 95%, non-condensing
Altitude.....	Up to 12,000 ft (3700 m)

## O<sub>3</sub> SENSOR SPECIFICATIONS

Patient Weight.....	≥40 kg
Application Site.....	Forehead
Wavelengths.....	4

### ENVIRONMENTAL

Operating Temperature at Ambient Humidity.....	41 to 104°F (5 to 40°C)
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 (rSO <sub>2</sub> ) ARMS**.....	3%	Absolute Regional Oxygen Saturation (rSO <sub>2</sub> ) ARMS**.....	4%
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**Regulatory Notice:** O<sub>3</sub> 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.**

<sup>1</sup> Redford D, Paidy S, Kashif F. Absolute and trend accuracy of Masimo O<sub>3</sub> Regional Oximetry in healthy volunteers during controlled hypoxia. *Anesth Analg*. In-press. <sup>2</sup> If regulatory approval has been obtained in your country and Root has the relevant software update.

\* Displayed forehead SpO<sub>2</sub> value and trend is for informational use only  
\*\* ARMS is defined as root mean square accuracy