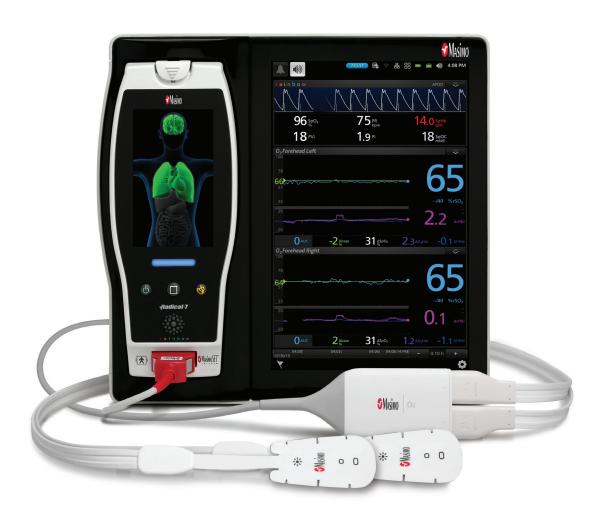
# Root with O3 Regional Oximetry

Available for Adult, Pediatric, Infant, and Neonatal Applications



- > May help clinicians monitor cerebral oxygenation in situations in which peripheral pulse oximetry alone may not be fully indicative of the oxygen in the brain
- > Seamlessly integrates with the Root platform alongside SedLine® Brain Function Monitoring for a more complete brain monitoring solution for adult and pediatric patients



# 03 Display

### Δbase

Displays the difference between current rSO2 and user-defined baseline

## AUC

Area Under the Curve index quantifies the depth and duration of patientstay below user-defined rSO<sub>2</sub> low alarm limit



rSO<sub>2</sub>

Tissue oxygen saturation

### ΔcHbi

Displays an index representing the sum of the ΔO2Hbi and  $\Delta HHbi$  components of the rSO<sub>2</sub> calculation

### ΔHHbi

Displays an index representing the change in the deoxyhemoglobin component of the rSO<sub>2</sub> calculation

# ΔSpO<sub>2</sub>

Displays the difference between SpO<sub>2</sub> (from the Radical-7®, if applicable) and rSO2 ΔO2Hbi

Displays an index representing the change in the oxyhemoglobin component of the rSO2 calculation

# 03 Monitoring

Root patient monitoring and connectivity hub offers plug and play monitoring with Masimo Open Connect® (MOC-9®) modules.1





Connect the O3 sensors to an O3 MOC-9 module (up to two sensors per module)



Apply the appropriate O3 sensors to the forehead:

- > Adult Adhesive Sensor (≥40 kg)
- > Pediatric Adhesive Sensor (≥5 kg and <40 kg)
- > Infant and Neonatal Adhesive Sensor (<10kg)

Connect the O3 MOC-9 module to one of three MOC-9 ports on Root

# O3 MOC-9 Module Specifications

PHYSICAL CHARACTERISTICS	ENVIRONMENTAL
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)	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)

# **O3** Sensor Specifications

Application Site	Forehead	ENVIRONMENTAL
Wavelengths .  Adult rSO2 Sensor Accuracy (ARMS) <sup>2</sup> .  Absolute Regional Oxygen Saturation (rSO2) .	. ≥40 kg 4%	Operating Temperature at Ambient Humidity
Trending Regional Oxygen Saturation (rSO2).  Pediatric rSO2 Sensor Accuracy (ARMs)². ≥5 kg an  Absolute Regional Oxygen Saturation (rSO2).	d <40 kg 5%	
Trending Regional Oxygen Saturation (rSO2).  Infant and Neonatal rSO2 Sensor Accuracy (ARMS) <sup>2</sup> Trending Regional Oxygen Saturation (rSO2).		

<sup>1</sup> In countries with regulatory approval and Root devices with the correct software version 2 ARMS accuracy is a statistical calculation of the difference between device  $measurements and reference\ measurements.\ Approximately\ two-thirds\ of\ the\ device\ measurements\ fell\ within\ \pm\ A_{RMS}\ of\ the\ reference\ measurements\ in\ a\ controlled\ study.$ 

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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