Root® with O3® Regional Oximetry

Available for Adult and Paediatric 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

MASIMO

O3 Display

Δbase
Displays the difference between current rSO2 and user-defined baseline

AUC
Area Under the Curve index quantifies the depth and duration of patient-stay below user-defined rSO2 low alarm limit
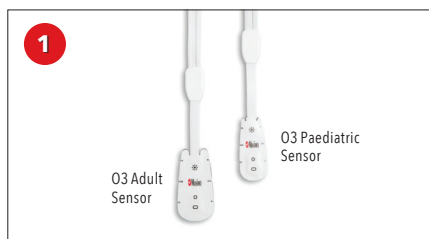

O_3 Forehead Left — PULSATILE
100
83
67
48
30
0 Δbase%   30 AUC   30 ΔSpO2%   --/50   %rSO2

O_3 Forehead Right — PULSATILE
100
83
67
48
30
-2 Δbase%   22 AUC   32 ΔSpO2%   --/50   %rSO2

67

65

08/21   01:45:13   02:00:13   02:15:13   02:30:13   —   1:00 h   +

rSO2
Tissue oxygen saturation

rSO2 Trend

ΔSpO2
Displays the difference between SpO2 (from the Radical-7®, if applicable) and rSO2

O3 Monitoring

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

1 O3 Paediatric Sensor / O3 Adult Sensor

2

3 MOC-9™

Apply the appropriate O3 Sensors to the forehead:
> Adult Adhesive Sensor (≥40 kg)
> Paediatric Adhesive Sensor (<40 kg)

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

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

O3 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)

O3 Series Sensor Specifications

Application Site	Forehead
Wavelengths	4
Adult rSO2 Sensor Accuracy (ARMS)[2]	**≥40 kg**
Absolute Regional Oxygen Saturation (rSO2)	4%
Trending Regional Oxygen Saturation (rSO2)	3%
Paediatric rSO2 Sensor Accuracy (ARMS)[2]	**<40 kg**
Trending Regional Oxygen Saturation (rSO2)	3%

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)

[1] 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 ± ARMS of the reference measurements in a controlled study.

The O3 System with paediatric sensor is not licensed for sale in Canada.

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

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