The O3 Regional Oximetry platform has been expanded to allow monitoring of infant and neonatal patients <10 kg

- O3 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
- O3 integrates with Masimo SET® pulse oximetry on Root®, providing clinicians with expanded visibility of a patient’s oxygenation status
- 3% A<sub>RMS</sub><sup>1</sup> trending accuracy specification on neonatal patients
- With its reduced size and flexible design, the O3 neonatal sensor easily conforms to and allows for ergonomic application on small foreheads
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

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

**rSO2**
Tissue oxygen saturation

**ΔHbi**
Displays an index representing the sum of the ΔO2Hbi and ΔHHbi components of the rSO2 calculation

**ΔHHbi**
Displays an index representing the change in the deoxyhemoglobin component of the rSO2 calculation

**ΔO2Hbi**
Displays an index representing the change in the oxyhemoglobin component of the rSO2 calculation

O3 Monitoring

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

Apply the appropriate O3 sensors to the forehead:
- Infant and Neonatal Adhesive Sensor (<10 kg)
- Pediatric Adhesive Sensor (≥5 kg and <40 kg)
- Adult 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

<table>
<thead>
<tr>
<th>PHYSICAL CHARACTERISTICS</th>
<th>ENVIRONMENTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length (including cable)</td>
<td>Operational Temperature</td>
</tr>
<tr>
<td>Width</td>
<td>Storage Temperature</td>
</tr>
<tr>
<td>Thickness</td>
<td>Operating and Storage Humidity</td>
</tr>
<tr>
<td>Weight</td>
<td>Altitude</td>
</tr>
<tr>
<td>1.8 in (4.6 cm)</td>
<td></td>
</tr>
<tr>
<td>0.6 in (1.5 cm)</td>
<td></td>
</tr>
<tr>
<td>7.1 oz max (200 g max)</td>
<td></td>
</tr>
</tbody>
</table>

O3 Sensor Specifications

<table>
<thead>
<tr>
<th>Application Site</th>
<th>Wavelengths</th>
<th>Neonatal rSO2 Sensor Accuracy (ARMS)</th>
<th>Pediatric rSO2 Sensor Accuracy (ARMS)</th>
<th>Adult rSO2 Sensor Accuracy (ARMS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Forehead</td>
<td>660, 690, 808, 880 nm</td>
<td>&lt;10 kg</td>
<td>≥5 kg and &lt;40 kg</td>
<td>≥40 kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3%</td>
<td>5%</td>
<td>3%</td>
</tr>
</tbody>
</table>

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.

* In countries with regulatory approval and Root devices with the correct software version.

The O3 System with infant and neonatal sensors is not licensed for sale in Canada.

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.