Medical Oxygen Sensors

The only source for all OEM and replacement respiratory and anesthesia O₂ Sensors

Unmatched Quality Control
Every sensor is subjected to extensive quality assurance testing providing you with documented test results and the most reliable oxygen sensors available today.

Longest Expected Life
With our technology, sensors are expected to last up to 5 years in normal use.

Realistic Warranty
Sensors are warranted for up to 18 months based on 60-70% Oxygen levels.

Superior Service
The most common products ship within 24 hours. Knowledgeable engineers and service representatives are trained and ready to assist.
# Respiratory Sensors

Designed for the rigorous demands of healthcare.

<table>
<thead>
<tr>
<th>Sensor Code</th>
<th>Response Time</th>
<th>Expected Life in Air</th>
<th>Warranty</th>
<th>OEM Analyzers/Monitors</th>
<th>OEM Ventilators</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSR-11-60-08</td>
<td>6 seconds</td>
<td>60 months</td>
<td>18 months</td>
<td>Sensidyne—1000-E</td>
<td></td>
</tr>
<tr>
<td>PSR-11-75-KE1</td>
<td>13 seconds</td>
<td>60 months</td>
<td>24 months</td>
<td>Maxtec OM-25A &amp; Vaportherm Precision Flow</td>
<td></td>
</tr>
<tr>
<td>PSR-11-75-KE2</td>
<td>13 seconds</td>
<td>60 months</td>
<td>24 months</td>
<td>Puritan Bennet 740 (older version)</td>
<td></td>
</tr>
<tr>
<td>PSR-11-75-KE4</td>
<td>13 seconds</td>
<td>60 months</td>
<td>24 months</td>
<td>Carefusion Vela</td>
<td></td>
</tr>
<tr>
<td>PSR-11-75-KE6</td>
<td>13 seconds</td>
<td>60 months</td>
<td>24 months</td>
<td>SLE 2000 (International Only)</td>
<td></td>
</tr>
<tr>
<td>PSR-11-75-KE7</td>
<td>13 seconds</td>
<td>60 months</td>
<td>24 months</td>
<td>Maxtec OM-25A, OM-25ME /OM-25MEL, MaxBlend &amp; Venturi System</td>
<td>Newport HT-70, e360 &amp; e500</td>
</tr>
<tr>
<td>PSR-11-75-KE8</td>
<td>13 seconds</td>
<td>60 months</td>
<td>24 months</td>
<td>Maxtec OM-25A, OM-25ME /OM-25MEL &amp; MaxBlend</td>
<td>SLE 5000 (International Only)</td>
</tr>
<tr>
<td>PSR-11-75-KE9</td>
<td>13 seconds</td>
<td>60 months</td>
<td>24 months</td>
<td>Carefusion / Viasys Bird Sentry Blender, Maxtec OM-25A &amp; OM-25ME / OM-25MEL</td>
<td>Puritan Bennet 740 (older version)</td>
</tr>
<tr>
<td>PSR-11-75-KE10+</td>
<td>13 seconds</td>
<td>60 months</td>
<td>24 months</td>
<td>Maxtec OMO2+A</td>
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</tr>
<tr>
<td>PSR-11-75-KE13-PB</td>
<td>13 seconds</td>
<td>60 months</td>
<td>24 months</td>
<td>Carefusion / Viasys Bird Sentry Blender, Maxtec OM-25A &amp; OM-25ME / OM-25MEL</td>
<td>Puritan Bennet 740 (older version)</td>
</tr>
</tbody>
</table>
### Replacement O₂ Sensors

All O₂ sensors are manufactured in the U.S. under independently certified QA programs.

**PSR-11-917-J6**
- **Response Time:** 13 seconds
- **Expected Life in Air:** 60 months
- **Warranty:** 15 months
- **OEM Sensors:**
  - Envitec OOM202-1
  - IT Gambert M-03

**PSR-11-917-M**
- **Response Time:** 13 seconds
- **Expected Life in Air:** 60 months
- **Warranty:** 15 months
- **OEM Ventilators:**
  - Siemens 300 & 900 Series
  - Carefusion Avea & Sipap
  - GE Ivent
  - Versamed eVent & Taema Ceasar

**PSR-11-917-M2**
- **Response Time:** 13 seconds
- **Expected Life in Air:** 60 months
- **Warranty:** 18 months
- **OEM Ventilators:**
  - PB 840 & PB 760

**PSR-11-917-MH**
- **Response Time:** 4 seconds
- **Expected Life in Air:** 60 months
- **Warranty:** 18 months
- **OEM Analyzers/Monitors:**
  - Criticare Poet Monitor
- **OEM Ventilators:**
  - Hamilton G5, Galileo, Raphael, & Arabella

**PSR-11-917-MHJ**
- **Response Time:** 9 seconds
- **Expected Life in Air:** 60 months
- **Warranty:** 12 months
- **OEM Ventilators:**
  - Biomed Device Cross Vents w/ color display

**PSR-11-917-MJ**
- **Response Time:** 13 seconds
- **Expected Life in Air:** 60 months
- **Warranty:** 18 months
- **OEM Sensors:**
  - Newport OM100
  - Sechrist 650 Monitor
  - Teledyne 60T, 91 & 200

**PSR-11-915-G**
- **Response Time:** 9 seconds
- **Expected Life in Air:** 60 months
- **Warranty:** 14 months
- **OEM Incubators:**
  - Ohmeda Giraffe

**PSR-11-915-2i**
- **Response Time:** 9 seconds
- **Expected Life in Air:** 60 months
- **Warranty:** 18 months
- **OEM Ventilators:**
  - Drager Baby Log & EVITA 2
  - 4 & XL SEMES
- **OEM Incubators:**
  - Drager i800

**PSR-11-915-J**
- **Response Time:** 13 seconds
- **Expected Life in Air:** 60 months
- **Warranty:** 18 months
- **OEM Incubators:**
  - MEDIX Natalcare
- **OEM Analyzers/Monitors:**
  - MSA Mini Ox 1, 2, 3, & 3000
  - Precision Medical PM5900
  - PM5900L & PB7820
  - Teledyne AX 300 & MX 300
  - Takaoka KT 605
- **OEM Ventilators:**
  - Philips Respironics Esprit & V200
  - Stephan Christina & Taema Ceasar
<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
<th>Response Time</th>
<th>Expected Life in Air</th>
<th>Warranty</th>
<th>OEM Equipment</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSR-11-917-MHJ3</td>
<td>Response Time: 9 seconds&lt;br&gt;Expected Life in Air: 60 months&lt;br&gt;Warranty: 12 months&lt;br&gt;OEM Ventilators: Biomed Device Cross Vents w/ mono chrome black display</td>
<td>9 seconds</td>
<td>60 months</td>
<td>12 months</td>
<td></td>
</tr>
<tr>
<td>AII-11-60</td>
<td>Response Time: 13 seconds&lt;br&gt;Expected Life in Air: 60 months&lt;br&gt;Warranty: 18 months&lt;br&gt;OEM Analyzers/Monitors: AII-2000A &amp; AII-2000M</td>
<td>13 seconds</td>
<td>60 months</td>
<td>18 months</td>
<td></td>
</tr>
<tr>
<td>PSR-11-917-MH1</td>
<td>Response Time: 4 seconds&lt;br&gt;Expected Life in Air: 60 months&lt;br&gt;Warranty: 14 months&lt;br&gt;OEM Incubators: Atom V-2100G &amp; V-2200, Drager C2000 &amp; Drager / Airshield Isolette w/ built-in</td>
<td>4 seconds</td>
<td>60 months</td>
<td>14 months</td>
<td></td>
</tr>
<tr>
<td>PSR-11-33</td>
<td>Response Time: 30 seconds&lt;br&gt;Expected Life in Air: 24 months&lt;br&gt;Warranty: 12 months&lt;br&gt;OEM Ventilators: Hamilton Amadeus &amp; Veolar</td>
<td>30 seconds</td>
<td>24 months</td>
<td>12 months</td>
<td></td>
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<tr>
<td>PSR-11-917-MH3</td>
<td>Response Time: 4 seconds&lt;br&gt;Expected Life in Air: 60 months&lt;br&gt;Warranty: 14 months&lt;br&gt;OEM Incubators: Atom 100 Dual Incu I &amp; Atom 101 Dual Incu II I</td>
<td>4 seconds</td>
<td>60 months</td>
<td>14 months</td>
<td></td>
</tr>
<tr>
<td>PSR-11-55</td>
<td>Response Time: 9 seconds&lt;br&gt;Expected Life in Air: 42 months&lt;br&gt;Warranty: 14 months&lt;br&gt;OEM Analyzers/Monitors: Hudson 5577, 6477 &amp; 5590</td>
<td>9 seconds</td>
<td>42 months</td>
<td>14 months</td>
<td></td>
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<tr>
<td>PSR-11-58</td>
<td>Response Time: 13 seconds&lt;br&gt;Expected Life in Air: 60 months&lt;br&gt;Warranty: 18 months&lt;br&gt;OEM Analyzers/Monitors: Hudson 5800 &amp; 5801</td>
<td>13 seconds</td>
<td>60 months</td>
<td>18 months</td>
<td></td>
</tr>
<tr>
<td>PSR-11-77-CT4</td>
<td>Response Time: 13 seconds&lt;br&gt;Expected Life in Air: 60 months&lt;br&gt;Warranty: 14 months&lt;br&gt;OEM Sensor: City Tech MOX-4</td>
<td>13 seconds</td>
<td>60 months</td>
<td>14 months</td>
<td></td>
</tr>
<tr>
<td>PSR-11-58HC</td>
<td>Response Time: 13 seconds&lt;br&gt;Expected Life in Air: 60 months&lt;br&gt;Warranty: 14 months&lt;br&gt;OEM Analyzers/Monitors: Hudson RCI 5802</td>
<td>13 seconds</td>
<td>60 months</td>
<td>14 months</td>
<td></td>
</tr>
</tbody>
</table>
Anesthesia Sensors

Our ranges of medical oxygen sensors are FDA-approved.

<table>
<thead>
<tr>
<th>Model</th>
<th>Response Time</th>
<th>Warranty</th>
<th>OEM Anesthesia Machines</th>
<th>OEM Analyzers/Monitors</th>
<th>OEM Sensor</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSR-11-915-4</td>
<td>9 seconds</td>
<td>18 months</td>
<td>GE / Datex Ohmeda 7900 &amp; 7100 Smart Vent, Aestiva 300 /5, Aespire, ADU w/ OEM Holder, Avance w/ OEM Holder &amp; Asys w/ OEM Holder</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSR-11-60-3</td>
<td>13 seconds</td>
<td>14 months</td>
<td></td>
<td>Penlon AVS &amp; AV900</td>
<td>City Tech MOX-3</td>
</tr>
<tr>
<td>PSR-11-915</td>
<td>9 seconds</td>
<td>18 months</td>
<td>Ohmeda 4700 Oxicap, 5100 Series, 5250 RGM, 7200, 7800 Series, Excel &amp; Modules Series</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSR-11-917-J7</td>
<td>13 seconds</td>
<td>14 months</td>
<td></td>
<td>Mindray A5, Wato EX-30 / EX-20, EX-50 / EX-55, &amp; EX-60 / EX-65</td>
<td>City Tech MOX-2</td>
</tr>
<tr>
<td>PSR-11-77-CT4</td>
<td>13 seconds</td>
<td>14 months</td>
<td></td>
<td></td>
<td>City Tech MOX-4</td>
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<tr>
<td>PSR-11-55HL</td>
<td>13 seconds</td>
<td>15 months</td>
<td>Heinen &amp; Lowenstein Leon Machine (Sold internationally only)</td>
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<td></td>
</tr>
<tr>
<td>PSR-11-60-08</td>
<td>6 seconds</td>
<td>14 months</td>
<td></td>
<td>Mindray AS3000</td>
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<tr>
<td>PSR-11-915-2i</td>
<td>9 seconds</td>
<td>18 months</td>
<td>Drager Cato, Fabius w/ OEM external cable, Narkomed 1A, 2, 2B, 3 &amp; 4, Narkomed 6000 &amp; 6400 &amp; GS</td>
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<td></td>
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<tr>
<td>PSR-11-75-KE-250A</td>
<td>9 seconds</td>
<td>18 months</td>
<td>Space Lab Blease &amp; Sirius Anesthesia Machine</td>
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<td></td>
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<tr>
<td>PSR-11-915-1</td>
<td>9 seconds</td>
<td>18 months</td>
<td>Drager Narcomed Series, 6000, 6400 &amp; Fabius w/ OEM External cable</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Anesthesia Sensors

Made in the USA – used with confidence around the world.

**PSR-11-917-J3**
**Response Time:** 13 seconds  
**Warranty:** 18 months  
**OEM Anesthesia Machines:**  
Datascope Anestar (new style) &  
Taema (France) Alys & Clarys

**PSR-11-917-J2**
**Response Time:** 13 seconds  
**Warranty:** 18 months  
**OEM Anesthesia Machines:**  
Datascope Anestar (Older)

**PSR-11-915-3**
**Response Time:** 9 seconds  
**Warranty:** 18 months  
**OEM Anesthesia Machines:**  
Ohmeda 5100, 5120, 5140, 5150, 7200, 7800 & 7810

**PSR-11-917-J6**
**Response Time:** 13 seconds  
**Warranty:** 15 months  
**OEM Sensors:**  
Envitec OOM202-1,  
IT Gambert M-03

Unmatched Quality Control

The organization continually improves the effectiveness of the quality system and takes action to eliminate the causes of nonconformities. Following each critical operation in the assembly process, every sensor is tested to confirm signal output using equipment traceable to calibration certificates. Once the assembly is complete, the critical performance parameters of every sensor are verified by an automated test protocol which generates two reports that identify both data points and PASS/FAIL test results as illustrated below and pictured left.

**OLOS Automated mV Final Test Protocol**

<table>
<thead>
<tr>
<th>Sensor (1-60)</th>
<th>Output in Air (mV)</th>
<th>Output in Air</th>
<th>Linearity to 100% O₂</th>
<th>Output at 100% O₂</th>
<th>Stability at 100% O₂</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>11.5</td>
<td>PASS</td>
<td>PASS</td>
<td>PASS</td>
<td>PASS</td>
</tr>
<tr>
<td>2</td>
<td>12.0</td>
<td>PASS</td>
<td>PASS</td>
<td>PASS</td>
<td>PASS</td>
</tr>
<tr>
<td>3</td>
<td>11.0</td>
<td>PASS</td>
<td>PASS</td>
<td>PASS</td>
<td>PASS</td>
</tr>
<tr>
<td>4</td>
<td>11.5</td>
<td>PASS</td>
<td>PASS</td>
<td>PASS</td>
<td>PASS</td>
</tr>
<tr>
<td>5</td>
<td>12.3</td>
<td>PASS</td>
<td>PASS</td>
<td>PASS</td>
<td>PASS</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Specification Test Parameters</th>
<th>Stability over 100 Readings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensor (1-60)</td>
<td>Output in Air (mV)</td>
</tr>
<tr>
<td>---------------</td>
<td>-------------------</td>
</tr>
<tr>
<td>1</td>
<td>11.94</td>
</tr>
<tr>
<td>2</td>
<td>12.01</td>
</tr>
<tr>
<td>3</td>
<td>11.05</td>
</tr>
<tr>
<td>4</td>
<td>11.55</td>
</tr>
<tr>
<td>5</td>
<td>12.33</td>
</tr>
</tbody>
</table>

Serial numbers are assigned only to sensors that pass all aspects of the OLOS Final Test, thus establishing traceability.

By simulating operating conditions, the OLOS Final Test establishes documented confidence in the quality and performance of sensors accepted into inventory for shipment to customers.

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