Oxygen Sensors for Diving Rebreathers

**Advanced Sensor Technology**

- Long Sensor Life
- Excellent Stability
- Fast Response
- No Maintenance

**ISO 9001:2001 Approved QA**

**PSR-11-33-N**
- Range: 0-100% Oxygen
- Signal Output: 25 ±2 mV
- Response 90%: 30 sec
- Expected Life: 18 months
- Warranty: 12 months

**OEM Equipment / Application**
- U.S. Navy MK-16 Rebreather

**Replaces Competitive Sensor**
- Teledyne R-10DV

**PSR-11-33-NM**
- Range: 0-100% Oxygen
- Signal Output: 25 ±2 mV
- Response 90%: 6 sec
- Expected Life: 42 months
- Warranty: 18 months

**OEM Equipment / Application**
- BMR-500 Rebreather
- Biomarine CCR-1000 Rebreather
- U.S. Navy MK-16 Mod 1 Rebreather

**Replaces Competitive Sensor**
- Teledyne R-10DN

**PSR-11-33-NM1**
- Range: 0-100% Oxygen
- Signal Output: 25 ±2 mV
- Response 90%: 6 sec
- Expected Life: 42 months
- Warranty: 12 months

**OEM Equipment / Application**
- BMR-500 Rebreather
- Biomarine MK15/15.5 Rebreather
- CCR-1000 Rebreather
- SM1000 Rebreather
- SM1600 Rebreather (modified MK15)

**Replaces Competitive Sensor**
- Maxtec (Ceramatec) MAX-310s
- Teledyne R-10DS

**PSR-11-39-MHO**
- Range: 0-100% Oxygen
- Signal Output: 10-14 mV
- Response 90%: 6 sec
- Expected Life: 42 months
- Warranty: 12 months

**OEM Equipment / Application**
- Cochran Lifeguard
- Megalodon
- Juergensen Marine Hammerhead

**Replaces Competitive Sensor**
- International Tech (Gambert) D-05

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After 18 months of extensive testing, the U.S. Navy awarded Analytical Industries Inc. a 5 year contract in 1997 to supply the PSR-11-33-N oxygen sensor for the MK16 Rebreather. In 2002, the U.S. Navy awarded a second 5 year contract to Analytical Industries Inc. for the same oxygen sensor. Subsequently, in 2004 the U.S. Navy upgraded the MK16 (Mod1) to accept the longer life PSR-11-33-NM oxygen sensor and the existing contract was amended through 2007 to include the PSR-11-33-NM oxygen sensor and make Analytical Industries Inc. the oxygen sensor of choice for the U.S. Navy.

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2855 Metropolitan Place, Pomona, CA 91767 USA  •  Tel: 909-392-6900, Fax: 909-392-3665, e-mail: info@aii1.com
**PSR-11-39-MD**

- **OEM Equipment / Application**: HydroSpace Explorer
- **OEM Equipment / Application**: Inspiration Rebreather "Original Config."
- **Replaces Competitive Sensor**: City Technology
- **Replaces Competitive Sensor**: Maxtec (Ceramatec)
- **Range**: 0-100% Oxygen
- **Signal Output**: 8.5-13 mV
- **Response 90%**: 6 sec
- **Expected Life**: 42 months
- **Warranty**: 12 months

**PSR-11-39-MD1**

- **OEM Analyzer / Application**: ANDI Alpha 1 oxygen analyzer
- **OEM Analyzer / Application**: BMR-500 Rebreather
- **Replaces Competitive Sensor**: OMS
- **Replaces Competitive Sensor**: Teledyne
- **Range**: 0-100% Oxygen
- **Signal Output**: 25 ± 2 mV
- **Response 90%**: 6 sec
- **Expected Life**: 42 months
- **Warranty**: 12 months

**PSR-11-39-MD2**

- **OEM Equipment / Application**: Uwatec Oxy2
- **OEM Equipment / Application**: A11 303
- **Replaces Competitive Sensor**: Uwatec
- **Replaces Competitive Sensor**: A11 303
- **Range**: 0-100% Oxygen
- **Signal Output**: 8.5-13 mV
- **Response 90%**: 6 sec
- **Expected Life**: 42 months
- **Warranty**: 12 months

**PSR-11-75D**

- **OEM Equipment / Application**: Kiss Sport
- **OEM Equipment / Application**: PSR-11-75D
- **Replaces Competitive Sensor**: Teledyne
- **Replaces Competitive Sensor**: K-1D
- **Range**: 0-100% Oxygen
- **Signal Output**: 7-13 mV
- **Response 90%**: 13 sec
- **Expected Life**: 24 months
- **Warranty**: 12 months

**PSR-11-15D**

- **OEM Equipment / Application**: Draeger OxyGuage
- **OEM Equipment / Application**: Draeger Oxysense
- **Replaces Competitive Sensor**: Drager
- **Replaces Competitive Sensor**: Ohmeda
- **Range**: 0-100% Oxygen
- **Signal Output**: 50 - 68 μA
- **Response 90%**: 10 sec
- **Expected Life**: 42 months
- **Warranty**: 12 months

**PSR-11-15-2D**

- **OEM Equipment / Application**: Draeger Dolphin Rebreather
- **OEM Equipment / Application**: Draeger Oxyguage
- **Replaces Competitive Sensor**: International Tech (Gambert)
- **Replaces Competitive Sensor**: Maxtec (Ceramatec)
- **Range**: 0-100% Oxygen
- **Signal Output**: 23-30 μA
- **Response 90%**: 10 sec
- **Expected Life**: 42 months
- **Warranty**: 12 months

**PSR-11-39-APD**

- **OEM Equipment / Application**: Inspiration Rebreather "Retrofit"
- **OEM Equipment / Application**: Evolution Rebreather
- **Replaces Competitive Sensor**: Teledyne
- **Replaces Competitive Sensor**: R22-APDR
- **Range**: 0-100% Oxygen
- **Signal Output**: 10 - 14mV
- **Response 90%**: 10 Sec
- **Expected Life**: 42 months
- **Warranty**: 12 months
<table>
<thead>
<tr>
<th>Part Number</th>
<th>Equipment / Application</th>
<th>Replaces Competitive Sensor</th>
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<td>PSR-11-39-BS</td>
<td>OEM Equipment / Application: Titan Rebreather</td>
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<td>Signal Output: 10 - 14mV</td>
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<td>PSR-11-37-D2</td>
<td>OEM Analyzer / Application: Analox Mini O2 (1x16mm thread)</td>
<td>Analox 9212-0, International Tech (Gambert) D-09, Maxtec (Ceramatec) MAX-309s</td>
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<td>Signal Output: 25 ±2 mV</td>
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<td>Warranty: 12 months</td>
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</table>
**PSR-11-75-KE1D OEM Analyzer / Application**

- Range: 0-100% Oxygen
- Signal Output: 8.5-13 mV
- Response 90%: 13 sec
- Expected Life: 24 months
- Warranty: 12 months

**Replaces Competitive Sensor**

Maxtec

Max250

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**PSR-11-39-DL OEM Equipment / Application**

- Range: 0-100% Oxygen
- Signal Output: 10 - 14mV
- Response 90%: 10 Sec
- Expected Life: 42 months
- Warranty: 12 months

**Replaces Competitive Sensor**

Deeplife

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**PSR-11-39-REVO OEM Equipment / Application**

- Range: 0-100% Oxygen
- Signal Output: 10 - 14mV
- Response 90%: 10 Sec
- Expected Life: 42 months
- Warranty: 12 months

**Replaces Competitive Sensor**

Revo Rebreather

Teledyne

R22-D

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**PSR-11-39-JD OEM Analyzer / Application**

- Range: 0-100% Oxygen
- Signal Output: 8.5-13 mV
- Response 90%: 6 sec
- Expected Life: 42 months
- Warranty: 12 months

**Replaces Competitive Sensor**

International Tech (Gambert) D-01

Maxtec (Ceramatec) MAX-13

Maxtec (Ceramatec) MAX-13-250

MSA (Catalyst Research) 406931

Teledyne R-17D

Vascular Technology 100580

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**PSR-11-39-JD1 OEM Analyzer / Application**

- Range: 0-100% Oxygen
- Signal Output: 8.5-13 mV
- Response 90%: 6 sec
- Expected Life: 42 months
- Warranty: 12 months

**Replaces Competitive Sensor**

Maxtec (Ceramatec) OM25AE

Maxtec (Ceramatec) OM25AE

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**PSR-11-39-JD2 OEM Analyzer / Application**

- Range: 0-100% Oxygen
- Signal Output: 8.5-13 mV
- Response 90%: 6 sec
- Expected Life: 60 months
- Warranty: 12 months

**Replaces Competitive Sensor**

Maxtec (Ceramatec) MAX25E/250E

Maxtec (Ceramatec) MAX-13-250E

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