



# 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

(Nonmagnetic)



**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

(Nonmagnetic)



**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-MHD**  
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

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.



**PSR-11-39-MD**  
 Range: 0-100% Oxygen  
 Signal Output: 8.5-13 mV  
 Response 90%: 6 sec  
 Expected Life: 42 months  
 Warranty: 12 months

**OEM Equipment / Application**  
 HydroSpace Explorer  
 Inspiration Rebreather "Original Config."  
 KISS Rebreather  
 Olympic Submarine Technologies CCR-2000  
 Oxy Spy

**Replaces Competitive Sensor**  
 City Technology MOX-1  
 Maxtec (Ceramatec) MAX-12  
 Teledyne R-22D  
 Teledyne R24



**PSR-11-39-MD1**  
 Range: 0-100% Oxygen  
 Signal Output: 25 ±2 mV  
 Response 90%: 6 sec  
 Expected Life: 42 months  
 Warranty: 12 months

**OEM Analyzer / Application**  
 ANDI Alpha 1 oxygen analyzer  
 BMR-500 Rebreather  
 Biomarine MK15/15.5 Rebreather  
 CCR-1000 Rebreather  
 Nuair Quickstick and Pro O2  
 OMS Oxygen Analyzer OX-ANII  
 SM1000 / SM1600 Rebreather

**Replaces Competitive Sensor**  
 OMS OX-SNSR  
 Teledyne R-22DHO



**PSR-11-39-MD2**  
 Range: 0-100% Oxygen  
 Signal Output: 8.5-13 mV  
 Response 90%: 6 sec  
 Expected Life: 42 months  
 Warranty: 12 months

**OEM Equipment / Application**  
 Uwatec Oxy2 A11 303

**Replaces Competitive Sensor**  
 Uwatec A11 303



**PSR-11-75D**  
 Range: 0-100% Oxygen  
 Signal Output: 7-13 mV  
 Response 90%: 13 sec  
 Expected Life: 24 months  
 Warranty: 12 months

**OEM Equipment / Application**  
 Kiss Sport PSR-11-75D

**Replaces Competitive Sensor**  
 Teledyne K-1D



**PSR-11-15D**  
 Range: 0-100% Oxygen  
 Signal Output: 50 - 68 µA  
 Response 90%: 10 sec  
 Expected Life: 42 months  
 Warranty: 12 months

**OEM Equipment / Application**  
 Draeger OxyGuage  
 Draeger OxySense  
 Ohmeda 5000 Series

**Replaces Competitive Sensor**  
 Draeger 6809977  
 Ohmeda  
 Teledyne R15D



**PSR-11-15-2D**  
 Range: 0-100% Oxygen  
 Signal Output: 23-30 µA  
 Response 90%: 10 sec  
 Expected Life: 42 months  
 Warranty: 12 months

**OEM Equipment / Application**  
 Draeger Dolphin Rebreather  
 Draeger Oxyguage

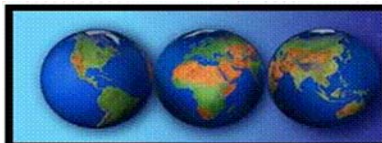
**Replaces Competitive Sensor**  
 International Tech (Gambert) D-06  
 Maxtec (Ceramatec) MAX-11



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

**OEM Equipment / Application**  
 Inspiration Rebreather "Retrofit"  
 Evolution Rebreather

**Replaces Competitive Sensor**  
 Teledyne R22-APDR



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

**OEM Equipment / Application**  
 Titan Rebreather

**Replaces Competitive Sensor**



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

**OEM Equipment / Application**  
 Submatix Rebreather

**Replaces Competitive Sensor**



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

**OEM Equipment / Application**  
 Miscellaneous Homebuilt Rebreathers

**Replaces Competitive Sensor**



**PSR-11-37-D2**  
 Range: 0-100% Oxygen  
 Signal Output: 25  $\pm$ 2 mV  
 Response 90%: 6 sec  
 Expected Life: 42 months  
 Warranty: 12 months

**OEM Analyzer / Application**  
 Analox Mini O2 (1x16mm thread)  
 Under Breathing Systems O2 Stick  
 OMS Oxygen Analyzer (older unit)  
 Under Breathing Systems

**Replaces Competitive Sensor**

Analox	9212-0
International Tech (Gambert)	D-09
Maxtec (Ceramatec)	MAX-309s



**PSR-11-37-D3**  
 Range: 0-100% Oxygen  
 Signal Output: 25  $\pm$ 2 mV  
 Response 90%: 6 sec  
 Expected Life: 42 months  
 Warranty: 12 months

**OEM Analyzer / Application**  
 Analox Mini O2  
 Analox Mini O2-II  
 OMS Oxygen Analyzer (older unit)  
 Scuba Pro Oxygen  
 Under Breathing Systems  
 RC Dive Oxygen Analyzer 523

**Replaces Competitive Sensor**

Analox	9212-5
International Tech (Gambert)	D-08
Maxtec (Ceramatec)	MAX-308s



**PSR-11-37-D4**  
 Range: 0-100% Oxygen  
 Signal Output: 7 - 13mV  
 Response 90%: 6 Sec  
 Expected Life: 42 months  
 Warranty: 12 months

**OEM Equipment / Application**  
 Expedition  
 PRO-1  
 MSA Mini OX IV (internal)  
 Agysmal Tek Chck  
 Vandergraph VN202

**Replaces Competitive Sensor**

IT Gambert	D-03
Teledyne	0-13



**PSR-11-37-D7**  
 Range: 0-100% Oxygen  
 Signal Output: 25  $\pm$ 2 mV  
 Response 90%: 6 sec  
 Expected Life: 42 months  
 Warranty: 12 months

**OEM Analyzer / Application**  
 Analox (O2 D11)  
 OMS (Original)  
 UBS O2 Stick  
 ScubaPro

**Replaces Competitive Sensor**

Analox	9212-0
International Tech (Gambert)	D-03
Maxtec (Ceramatec)	MAX-303s
Teledyne	R-33D



**PSR-11-75-KE1D**  
 Range: 0-100% Oxygen  
 Signal Output: 8.5-13 mV  
 Response 90%: 13 sec  
 Expected Life: 24 months  
 Warranty: 12 months

**OEM Analyzer / Application**

**Replaces Competitive Sensor**

Maxtec Max250



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

**OEM Equipment / Application**

**Replaces Competitive Sensor**

Deeplife



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

**OEM Equipment / Application**

**Replaces Competitive Sensor**

Revo Rebreather

Teledyne R22-D



**PSR-11-39-JD**  
 Range: 0-100% Oxygen  
 Signal Output: 8.5-13 mV  
 Response 90%: 6 sec  
 Expected Life: 42 months  
 Warranty: 12 months

**OEM Analyzer / Application**

**Replaces Competitive Sensor**

De-Ox  
 Dive Rite VTI 100580  
 Dive Rite VTI-580 100580  
 DiveTek OzAnalyzer One  
 El Chepo I & II R-17D  
 Expedition-X  
 MSA Mini-Ox 1 406931  
 Spectrum O2 Analyzer  
 Teledyne AD300/MD300 R-17D  
 Vandagraph VN202 R-17VAN

International Tech (Gambert) D-01  
 Maxtec (Ceramatec) MAX-13  
 Maxtec (Ceramatec) MAX-13-250  
 MSA (Catalyst Research) 406931  
 Teledyne R-17D  
 Vascular Technology 100580



**PSR-11-39-JD1**  
 Range: 0-100% Oxygen  
 Signal Output: 8.5-13 mV  
 Response 90%: 6 sec  
 Expected Life: 42 months  
 Warranty: 12 months

**OEM Analyzer / Application**

**Replaces Competitive Sensor**

Maxtec (Ceramatec) OM25AE

Maxtec (Ceramatec) MAX25E/250E



**PSR-11-39-JD2**  
 Range: 0-100% Oxygen  
 Signal Output: 8.5-13 mV  
 Response 90%: 6 sec  
 Expected Life: 60 months  
 Warranty: 12 months

**OEM Analyzer / Application**

**Replaces Competitive Sensor**

Dive Rite VTI 100580  
 Dive Rite VTI-580 100580  
 DiveTek OzAnalyzer One  
 El Chepo I & II R-17D  
 MSA (Catalyst Research) Mini-Ox 1 406931  
 Teledyne AD300/MD300 R-17D  
 Vandagraph VN202 R-17VAN

Maxtec (Ceramatec) MAX-13-250E