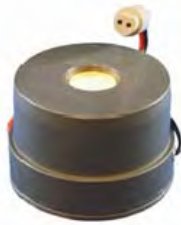




O₂ Sensors for Rebreathers

Supplier of O₂ sensors to the U.S. Navy since 1998 and other countries around the world, Analytical Industries Inc. has consulted with and supplied O₂ sensors to a growing number of rebreather manufacturers throughout the world. As a result, every rebreather sensor is qualified and its hyperoxic linearity documented prior to shipment. Learn more below.



PSR-11-33-NM1

Range: 0-100% Oxygen
Signal Output: 25 ±2 mV
Response 90%: 6 sec
Warranty: 12 months



PSR-11-39-MD

Range: 0-100% Oxygen
Signal Output: 8.5-14 mV
Response 90%: 6 sec
Warranty: 12 months



PSR-11-39-MHD

Range: 0-100% Oxygen
Signal Output: 10-14 mV
Response 90%: 6 sec
Warranty: 12 months



PSR-11-39-MD5X

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

OEM Equipment

BMR-500 Rebreather
Biomarine MK15/15.5 Rebreather
CCR-1000 Rebreather
SM1000 Rebreather
SM1600 Rebreather (MK15 mod)

OEM Equipment

HydroSpace Explorer
Inspiration Rebreather "Original"
KISS Rebreather
Olympic Submarine Tech. CCR-2000
Oxy Spy

OEM Equipment

Cochran Lifeguard
Megalodon
Juergensen Marine Hammerhead

OEM Equipment

Submatix Rebreather



PSR-11-39-TD6

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

OEM Equipment

Titan Rebreather



PSR-11-39-TME

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

OEM Equipment

TECME Homebuilt Rebreather



PSR-11-15-2D

Range: 0-100% Oxygen
Signal Output: 23-30 µA
Response 90%: 10 sec
Warranty: 12 months

OEM Equipment

Draeger Dolphin Rebreather
Draeger Oxyguage



PSR-11-75D

Range: 0-100% Oxygen
Signal Output: 7-13 mV
Response 90%: 13 sec
Warranty: 12 months

OEM Equipment

Kiss Sport



Quality

Our O₂ sensors are engineered for use in a dive environment. Every O₂ sensor is subjected to stringent quality assurance program that checks the output and stability of each 3-4 times during the manufacturing process.

Our Quality Assurance Program is certified annually and complies with ISO 9001:2008 and medical device regulations in the U.S., Europe and Canada. Dive with confidence!!



For added safety, Analytical Industries Inc. is the only sensor manufacturer that . . .

- 1.) Tests every oxygen sensor used in an underwater closed circuit rebreather (CCR) system under simulated dive conditions prior to delivery. A proprietary pressurized testing system, see below, verifies within $\pm 3\%$ the stability of the sensor in ambient conditions, its stability and linearity at 100% oxygen and when pressurized to 1.6 ATA.
- 2.) Prints SELL BY and DO NOT USE AFTER dates on every oxygen sensor label so users can avoid diving with aged sensors.



Model:	PSR-11-39-MD			12:19
Serial No.:	01134361			
Date:	11/17/10			
ATA	FO ₂	PO ₂	mV	Result
0.954	0.215	0.205	14.02	PASS
0.954	0.990	0.944	65.59	PASS
1.546	0.990	1.530	105.04	PASS

Dalton's Law: ATA x FO₂ = PO₂

Certified Quality . . . A test report, left, accompanies every rebreather oxygen sensor shipped from the factory and is traceable to each unique serial number. It is the buyers certification that a particular sensor has demonstrated a stable output in air (20.9%), a linear and stable output at both 100% oxygen and when pressurized to 1.6 ATM (using the proprietary test equipment pictured above).