Analytical Industries Inc.

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

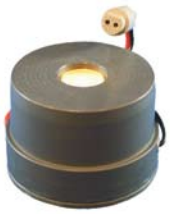
OEM Equipment / Application

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.

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Analytical Industries Inc.

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
Nuvair 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

Drager	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

Analytical Industries Inc.

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 ±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 ±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 ±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

Analytical Industries Inc.

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

Deeplife

Replaces Competitive Sensor

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

Revo Rebreather

Replaces Competitive Sensor

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

De-Ox	
Dive Rite VTI	100580
Dive Rite VTI-580	100580
DiveTek OzAnalyzer One	
El Chepo I & II	R-17D
Expedition-X	
MSA Mini-0x 1 406931	
Spectrum O2 Analyzer	
Teledyne AD300/MD300	R-17D
Vandagraph VN202	R-17VAN

Replaces Competitive Sensor

International Tech (Gambert)	D-01
Maxtec (Ceramatec)	MAX-13
Maxtec (Ceramatec)	MAX-13-250
MSA (Catalsyt 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

Maxtec (Ceramatec) OM25AE

Replaces Competitive Sensor

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

Dive Rite VTI	100580
Dive Rite VTI-580	100580
DiveTek OzAnalyzer One	
El Chepo I & II	R-17D
MSA (Catalsyt Research)	Mini-0x 1 406931
Teledyne AD300/MD300	R-17D
Vandagraph VN202	R-17VAN

Replaces Competitive Sensor

Maxtec (Ceramatec)	MAX-13-250E