



**Analytical Industries Inc.**  
**Advanced Instruments Inc.**

## PSR-11-39-MDSX1



Replacement oxygen sensor with excellent stability and accuracy for use in the Submatix rebreather...

Advanced galvanic type % oxygen sensor with excellent stability and accuracy under stringent applications. All Rebreather oxygen sensors are subjected to the most extensive output, response time, stability, linearity to 100% and to 100% at 1.8 ATA. Analytical Industry Inc has the widest range of oxygen sensors that is offered in the diving industry. All of our sensors are "Made in USA"

### OEM Equipment:

Submatix Rebreather

### TECHNICAL SPECIFICATIONS

Measuring Range	0-100%
Accuracy <sup>1</sup>	±2% of Full Scale
Signal Output <sup>2</sup>	10 – 14 mV
Linearity	±2% of Full Scale
Response T90	6 sec
Temp Coefficient	compensated
Operating Temp	0 to 45°C
Recommended Storage <sup>3</sup>	0 to 25°C
Qualified at	1.8 ATA
Shelf Life <sup>4</sup>	6 months
Humidity Non-condensing	0-99% RH
Expected Life	42 months
Warranty <sup>5</sup>	12 months
Electrical Conn	2 Pin Molex

**Conditions:** Specification validated during design and in pursuit of improvement are subject to change without notice 1) At constant temperature and pressure. 2) In air (20.9% oxygen) at 25°C and 1 atm. 3) Sensor may be stored up to 55°C on an intermittent basis, for example, during transportation. 4) In original Package at 25°C and 1 atm. 5) Under normal operating conditions, the sensor is warranted to be free of defects in material and workmanship for the specified period provided the sensor is properly installed and operated. The sole remedy for sensor determined to be defective by Analytical Industries Inc. is limited to replacing the sensor. Analytical Industries Inc. will not be liable for buyer's negligence, misapplication, abuse or accident.