



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

## PSR-11-39-APD

Replacement for Inspiration and Evolution rebreathers, and replaces Teledyne R22-APD sensor. More...  
 Advanced galvanic type % oxygen sensor with excellent stability and accuracy under stringent applications. All % oxygen sensors are subjected to the most extensive stability test, output in air, 30" of water column pressure test and stability at 100% oxygen. The widest range of oxygen sensors offered by Analytical Industries, Inc. are "Made in USA"



### OEM Equipment:

Inspiration Rebreather "Retrofit"  
 Evolution Rebreather  
 Teledyne R22-APD Sensor

### TECHNICAL SPECIFICATIONS

Measuring Range	0-100%
Accuracy <sup>1</sup>	±2% of Full Scale
Signal Output <sup>2</sup>	11 - 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	SMB male

**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.