

# PSR-11-21

Galvanic industrial oxygen sensor compatible with:

- AMI - P2 Sensor
- GE Sensing - Panametrics OX-3 Sensor
- Teledyne - B-1 Sensor

The Analytical Industries, PSR-11-21 advanced galvanic type oxygen sensor offers 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



## Specifications

Target gas	O <sub>2</sub>
Measuring range	0 - 100% O <sub>2</sub>
Published signal output in air <sup>(1)</sup>	295 - 625 uA
Response Time T90%	9S
Accuracy full scale <sup>(2)</sup>	+ 2%
Drift % signal month <sup>(2)</sup>	< 1%
Linearity <sup>(2)</sup>	+ 1%
Humidity non-condensing	0-99% RH
Temperature coefficient	Non-Compensated
Operating temperature	0-45° C
Storage temperature	0-40° C
Operating pressure	Consistent 5-30 PSIG
Flow rate	.1-10 LPM
Expected life <sup>(1)</sup>	12 Months
Storage / shelf life <sup>(4)</sup>	< 6 Months
Warranty <sup>(5)</sup>	9 Months
Connector type	2 Ring
Gas connection	SS Enclosed Housing

Specifications validated during design and in the pursuit of improvement are subject along with prices to change without notice.

<sup>(1)</sup> In air (20.9% oxygen) at 25° C and 1 atm. Expected life varies inversely with changes in O2 concentration, temperature, pressure.

<sup>(2)</sup> Under constant conditions. Calibrate as near sample conditions as possible. Calibrate with 95-100% oxygen for measurements > 40% oxygen.

<sup>(3)</sup> Once the signal output stabilizes following a step change in temperature.

<sup>(4)</sup> Recommended 0-40° C. Sensors may be stored at -10 to 55° C on an intermittent basis only

<sup>(5)</sup> Ex-Factory unless otherwise agreed to in writing. Under normal operating conditions for medical oxygen delivery equipment the sensors are warranted to be free of defects in materials and workmanship for the specified period above provided the sensor is properly installed and operated. The sole remedy for a sensor determined to be defective by Analytical Industries Inc. is limited to replacing the defective sensor. Analytical Industries Inc. shall not be liable for buyer's negligence, misapplication, alteration, abuse or accident.



Improving the world, one measurement at a time™

