Industrial Oxygen Sensor

Electrochemical Galvanic Purity O_2 Sensor for % Oxygen Measurement

OxyPure **OXY P100-1-4**

Specifications

Measuring range	0-100% O_2
Signal Output (Air)	71.7-124.28 µA
Sensitivity	0.72-2.44 µA/% O_2
Response Time (T90)	13 Seconds
Accuracy [2]	± 1% F.S.
Accuracy Over Operating Temperature Range [3]	± 5% F.S.
Drift (% Signal Month) [2]	< 1%
Linearity [2]	± 1% F.S
Humidity non-condensing	0-99% RH
Temperature Coefficient	2.54%/°C
Operating Temperature	0-45°C
Operating Pressure Range	0.5-2bar absolute
Pressure dependency	Partial Pressure
Flow Rate	0-2.5 LPM
Expected Life [1]	24 Months
Storage Duration	< 6 months
Recommended Storage Temperature [4]	0-40°C
Warranty [5]	12 Months
Electrical Connections	4 Pin Male Conn. 1/4" NPT
Electrical Mating Connector (Not supplied)	4 Pole, Female Straight, 2M,4A, Black, PVC MACB-4-FP-2M-B



Note: When the sensor is stored, do not expose to temperatures above 50°C for an extended period of time. Failure to do so may have a negative impact on its performance and life.

1. In air @ 25° C and 1 atm. Expected life varies inversely with changes in O2 concentration, temperature, pressure.
2. Under constant conditions. Calibrate as near sample conditions as possible. Sensing Surface should point downwards.
3. Once the signal output stabilizes following a step change in temperature.
4. Recommended 0-40° C. Sensors may be stored at -10 to 55° C on an intermittent basis only.
5. Ex-factory unless agreed to in writing. Under normal application conditions sensor is warranted to be free of defects in material and workmanship. For the period specified above provided the sensor is properly installed and operated. Analytical Industries Inc. shall not be liable for buyer's negligence, misapplication, alteration, or abuse.
The sole remedy for a sensor determined to be defective by Analytical Industries Inc. is limited to replacing the defective sensor.

CAUTION

Analytical Industries Inc.is part of the Process Sensing Technologies Group (PST).
As customer applications are outside of PST control, the information provided is given without legal responsibility.
Customers should test under their own conditions to ensure the equipment is suitable for the intended application(s).

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