

PO2-1120 PercentOxygenSensor

Product Specification Sheet

Electrochemical Galvanic Fuel Cell Percent Oxygen Sensor



Measures Oxygen From 0.1% to 100%

Electrochemical Fuel Cell Sensor Technology

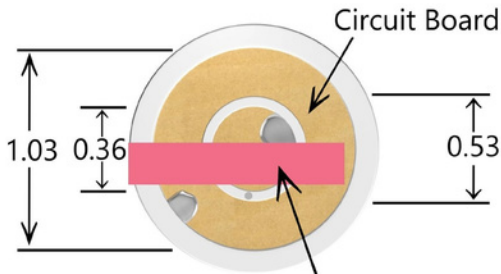
Self-Contained, No Need To Add Electrolyte

Excellent Stability, Performance & Linearity

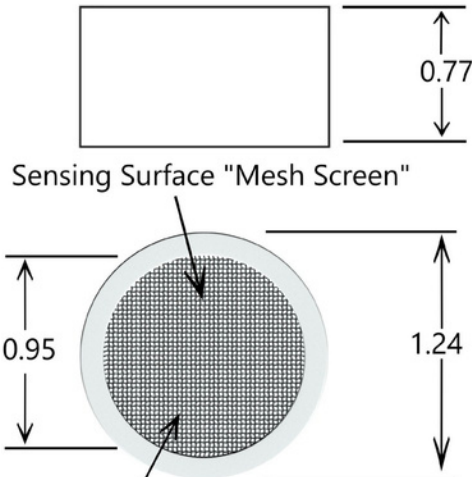
Long Life Percent Oxygen Sensor

Specifications:

Sensor Technology	Micro Fuel Cell
Signal Output1	28 - 52 μ A
Measuring Range	0 - 100 Percent
Response Time T90	30 Seconds
Accuracy Full Scale2	$\pm$ 1% of Signal
Repeatability F.S.	$\pm$ 0.5%
Temp Coefficient	2.54 % / $^{\circ}$ C
Operating Temp	0 to 50 $^{\circ}$ C
Storage Temp	0 to 45 $^{\circ}$ C
Recommended Flow	0.5 - 5 SCFH
Humidity	0 - 100% RH (Non - Condensing)
Expected Life3	120 Months
Storage	12 Months
Warranty4	12 Months
PCB Connection	Center Foil Negative Outer Foil Positive



REMOVE RED SHORTING FLAG PRIOR TO USE.



For optimum operation, Mesh Screen should be facing down or sideways.

1. Signal Output is measured in air at 25 $^{\circ}$ C, Sea Level.
2. Full Scale Accuracy is calculated with constant pressure, temperature, and proper calibration (80% O₂ Value on Full Scale Range or a range higher). Drastic Temperature change can result in a maximum error of $\pm$ 10%.
3. Expected life is calculated when O₂ < 20.9% @ 25 $^{\circ}$ C, Sea Level.
4. Southland Sensing Ltd. warranties the sensors for the period noted above to be free from defects in materials and workmanship. SSO2 will not be held liable for sensors damaged due to customer neglect.
4. Southland Sensing Ltd. sensors are tested and validated to BSI Standard BS EN 50104:2010