

TO2-133 PPM Oxygen Sensor

Product Specification Sheet

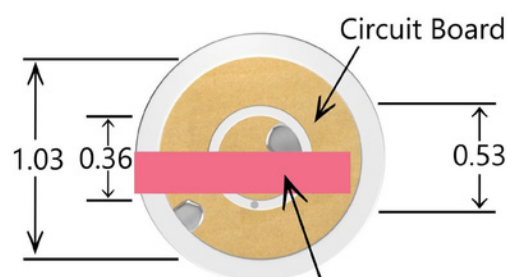
Electrochemical Galvanic Fuel Cell Trace Oxygen Sensor



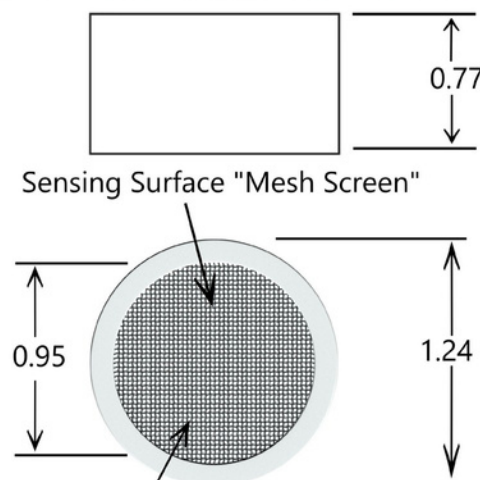
Measures Oxygen From 0.001 PPM to 25.0%
Electrochemical Fuel Cell Sensor Technology
Self-Contained, No Need To Add Electrolyte
Excellent Stability, Performance & Linearity
High Output Trace Oxygen Sensor

Specifications:

Sensor Technology	Micro Fuel Cell
Signal Output ¹	520 - 1020 uA
Measuring Range	0 - 10 PPM (Min) 0 - 10000 PPM (Max)
Response Time T ₉₀	7 Seconds
Accuracy Full Scale ²	± 1% of Signal
Repeatability F.S.	± 0.5%
Temp Coefficient	2.54 % / °C
Operating Temp	0 to 50 °C
Storage Temp	0 to 45 °C
Recommended Flow	0.5 - 5 SCFH
Humidity	0 - 100% RH (Non - Condensing)
Expected Life ³	24 Months
Storage	12 Months
Warranty ⁴	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 °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 ± 10%.
3. Expected life is calculated when O₂ < 1000 ppm @ 25 °C, Sea Level.
4. Southland Sensing Ltd. warrants 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