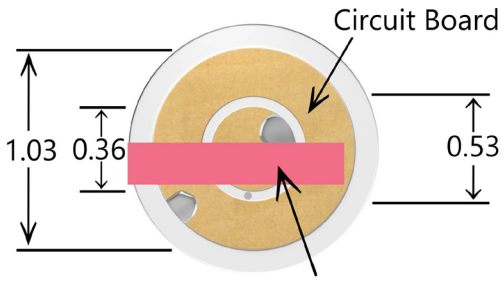
SOUTHLAND SENSING
MEASURE. ANALYZE. CONTROL.

TO2-238 PPM Oxygen Sensor
Product Specification Sheet

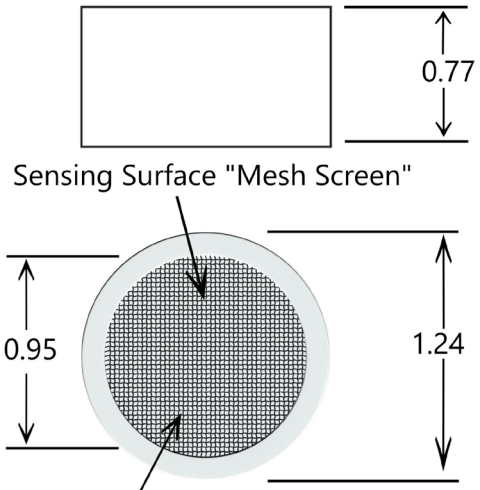
Electrochemical Galvanic Fuel Cell Trace Oxygen Sensor



- Measures Oxygen From 0.01 PPM to 25.0%
- Electrochemical Fuel Cell Sensor Technology
- Self-Contained, No Need To Add Electrolyte
- Excellent Stability, Performance & Linearity
- H2S Up To 500 PPM For Full Sensor Life



REMOVE RED SHORTING FLAG PRIOR TO USE.



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

Specifications:

Sensor Technology	Micro Fuel Cell
Signal Output[1]	530 - 1050 uA
Measuring Range	0 - 1 PPM (Min) 0-10000PPM(Max)
Response Time T90	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	3 Months
Warranty[4]	12 Months
PCB Connection	CenterFoilNegative Outer Foil Positive

For Use In CO2 & Natural Gas Applications

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. 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

Rev 1.05 January 10, 2025

Designed, Tested, and Assembled in California, USA
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