

TO2-19 PPM / PercentOxygenSensor

Product Specification Sheet

Electrochemical Galvanic Fuel Cell Hybrid Oxygen Sensor



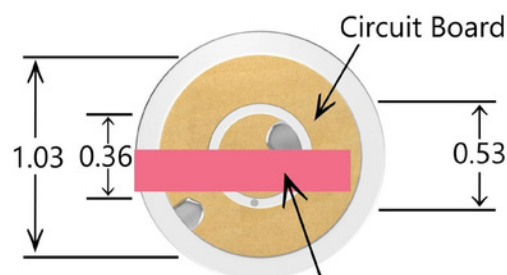
Measures Oxygen From 45 PPM to 25.0%
Electrochemical Fuel Cell Sensor Technology
Self-Contained, No Need To Add Electrolyte
Excellent Stability, Performance & Linearity
Continuous And Spot Checking Analysis

Specifications:

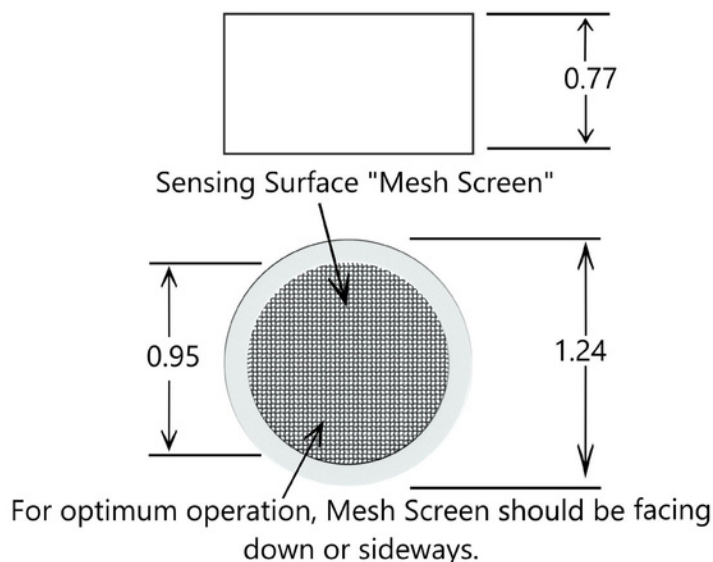
Sensor Technology	Micro Fuel Cell
Signal Output1	285 - 590 uA
Measuring Range	0 - 1000 PPM (Min) 0 - 25 % (Max)
Lower Detectable Limit	45 PPM
Response Time T90	13 Seconds
Accuracy Full Scale2	± 1% of Signal
Repeatability F.S.	± 0.5%
Temp Coefficient	2.54 % / ° C
Operating Temp	0 to 50 ° C
Storage Temp	0 to 45 ° C
Recommended Flow	0.5 - 5 SCFH
Humidity	0 - 100% RH (Non - Condensing)
Expected Life3	12 - 15 Months
Storage	6 Months
Warranty4	12 Months
PCB Connection	Center Foil Negative Outer Foil Positive

Suggested Applications:

3DMetalPrinting&Inert Chambers
Inert Welding of exotic materials
Natural Gas Applications 45 PPM to 1000 PPM



REMOVE RED SHORTING FLAG PRIOR TO USE.



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