

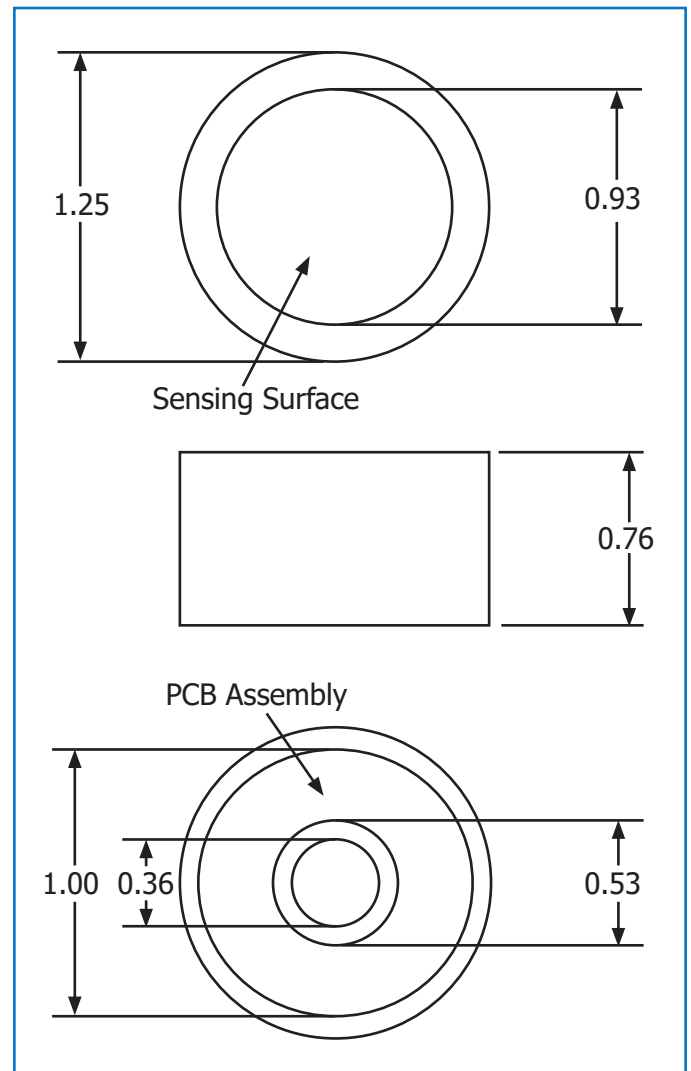
## Electrochemical Galvanic Fuel Cell Trace Oxygen Sensor



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  
 Continuous And Spot Checking Analysis

### Specifications:

Sensor Technology	Micro Fuel Cell
Signal Output <sup>1</sup>	285 - 590 uA
Measuring Range	0 - 10 PPM (Min) 0-10000PPM(Max)
Response Time T90	13 Seconds
Accuracy Full Scale <sup>2</sup>	± 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 <sup>3</sup>	24 Months
Storage	12 Months
Warranty <sup>4</sup>	12 Months
PCB Connection	Center Foil Negative Outer Foil Positive



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% O<sub>2</sub> 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 O<sub>2</sub> < 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. SSO<sub>2</sub> 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

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