# **SOUTHLAND** SENSING

MEASURE. ANALYZE. CONTROL.

## Medical Electrochemical Galvanic Fuel Cell Percent Oxygen Sensor



### Specification:

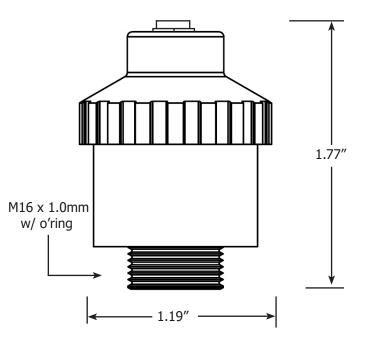
Measuring Range 0	
	- 14 mV
Response Time T90	- 100 Percent
	2 Seconds
Accuracy Full Scale <sup>2</sup> ±	1% of Signal
Repeatability F.S. ±	0.5%
Temperature: Co	ompensated
Operating Temp 0	to 45 ° C
Storage Temp 0	to 45 ° C
Cross Sensitivity:	O 80601-2-55
Housing Material: W	hite ABS
Humidity 0	- 100% RH
(1)	lon - Condensing
Expected Life <sup>3</sup> <	60 Months
Warranty <sup>4</sup> 16	6 Months

- 1. Signal output is measured in air at 25 ° C, sea level.
- 2. Full Scale accuacy is calculated with constant pressure, temperature and proper calibration (80% O2 value on full scale range). Drastic temperature change can result in a maximum error of  $\pm$  10%.
- 3. Expected life is calculated when O2 < 20.9% @ 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. Southland Sensing Ltd. will not be held liable for sensors damaged due to customer neglect.

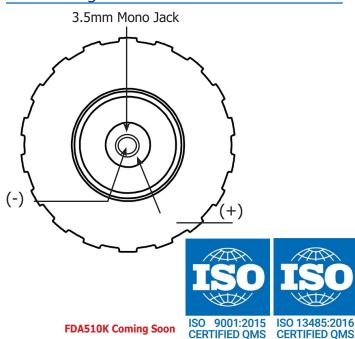
#### **Intended Use:**

These oxygen sensors, with their excellent stability, performance and linearity are designed to be used to monitor the partial pressure of oxygen in breathing gas mixtures for anaesthesia, ventilators, medical oxygen concentrators, incubators, and general oxygen monitors.

#### **Dimensions:**



#### **Pinout Diagram:**



Rev 1.01 March 5th, 2024 BB