

SENSOR DATA SHEET



**membrane Oxygen Sensor**  
**(25 % Vol. max. reading)**  
**Part No. 403172-D-3**

Minimum Indicated Concentration ..... 0.8 % O<sub>2</sub>  
 Min. Indicated Concentration Change ..... 0.1% Vol. O<sub>2</sub>  
 Accuracy ..... ± 0.5 %Vol. O<sub>2</sub>  
 Response Time (Rise)<sup>1</sup> T<sub>90</sub>..... < 10 seconds (typical)  
 Temperature Range<sup>3</sup> ..... 10° to 40°C (50° to 104°F)  
 Humidity Range ..... 5–95 %RH, non-condensing  
 Warranty Period<sup>2</sup> ..... 12 Months from Shipping Date  
 Recommended Calibration Flow Rate ..... 1000 cc/min

<sup>1</sup>Room Temperature

<sup>2</sup>Sensors are always operating, long-term storage is not recommended.

<sup>3</sup>Slight variations in output may be observed with temperature fluctuations.

**Notes:**

**Mechanical Pressure:** Mechanical pressure on the face of the sensor, whether in storage or use, may cause electrolyte leakage from the sensor.

**Calibration:** This sensor must be in thermal equilibrium with its associated transmitter for calibration. A two hour equilibration period should be allowed prior to calibration when the sensor is initially plugged in to its transmitter, or if the transmitter is powered up after an extended outage.

**Cross-Interferences\***

Carbon Dioxide	20% Vol.	None
Helium	0 – 100% Vol.	None
Hydrocarbons	% Range	None*

\*Some Solvents may physically attack the sensor case and other polymer components.