

Sensor Data Sheet

SENSALERT PLUS

SENSIDYNE



Oxygen
(0 – 25.0 %vol)
Part No. 823-0240-41
FM Performance Certified^{1,2}

Minimum Indicated Concentration	0.8 %vol O ₂
Mini Indicated Concentration Change	0.1 %vol O ₂
Span Drift	< 10% change per year (typical)
Response Time (Rise) ³	T ₅₀ : < 4 seconds T ₉₀ : < 10 seconds, successive exposures
Temperature Range	-20° to 50°C (-4° to 122°F)
Humidity Range	0–90 %RH, non-condensing
Pressure Range	Ambient atmospheric, ± 1 psi
Expected Sensor Life	2 years from Shipping Date ⁴
Recommended Calibration Flow Rate	500 to 1000 cc/min
SensAlert 4-Channel Controller.....	Compatible

¹ For use in an FM Approved SensAlert Plus Transmitter.

² Certified through 21 %vol maximum reading.

³ Room Temperature.

⁴ Sensor is always operating; long-term storage is not recommended.

Cross-Interferences*

Gas	Gas Exposure	Sensor Output
Carbon Dioxide	10 %vol	+1 %vol
Hydrocarbons	% Range	None*

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

Special Calibration Considerations:

Oxygen Sensor (PN° 823-0240-41)

Zeroing The Sensor

Ambient Oxygen sensors do not normally require zeroing and cannot be zeroed through the Calibration menu.

Span Calibration

It is recommended that this sensor be calibrated at 20.9 %vol. There are no special calibration considerations for this sensor. Complete span calibration instructions are provided in Section 3.2 of the SensAlert Plus User Manual.

Test-on-Demand Cell

There is no Test-On-Demand cell available for this sensor.