

Sensor Data Sheet

SENSALERT PLUS

SENSIDYNE



APPROVED

**Carbon Monoxide – Filtered for H₂S & SO_x
(0 - 100 ppm)**

Part No. 823-0219-23

FM Performance Certified ¹



Minimum Indicated Concentration	3 ppm
Repeatability	± 2% of Reading
Accuracy ²	± 5% of Reading
Span Drift	< 5% change per year (typical)
Response Time (Rise) ³	T ₅₀ : < 10 seconds
	T ₉₀ : < 30 seconds, successive exposures
Recovery Time (Fall) ³	T ₁₀ : < 30 seconds
Temperature Range	-20° to 50°C (-4° to 122°F)
Humidity Range (continuous)	15–90 %RH, non-condensing
Humidity Range (intermittent).....	0–99 %RH, non-condensing
Pressure Range	Ambient atmospheric, ± 1 psi
Expected Sensor Life	2 years from Shipping Date
Recommended Calibration Flow Rate	500 to 1000 cc/min
Oxygen Requirement	1% by volume, minimum
SensAlert 4-Channel Controller.....	Compatible

¹ For use in an FM Approved SensAlert Plus Transmitter.

² When unit is calibrated and serviced at recommended intervals.

³ Room Temperature.

Cross-Interferences*

Gas	Gas Exposure	Sensor Output
Chlorine	1 ppm	None
Ethylene	1.3 ppm	+1 ppm
Hydrogen	1.7 ppm	+1 ppm
Hydrogen Chloride	5 ppm	None
Hydrogen Cyanide	5 ppm	+1 ppm
Hydrogen Sulfide	50 ppm	+1 ppm
Nitric Oxide	5 ppm	+1 ppm
Nitrogen Dioxide	5 ppm	-1 ppm
Sulfur Dioxide	5 ppm	None

* Interference factors may differ from sensor to sensor, it is not advisable to calibrate with interferent gases.

Special Calibration Considerations:

Carbon Monoxide Sensor (PN° 823-0219-23)

Zeroing The Sensor

There are no special zeroing considerations for this sensor. Complete zeroing instructions are provided in Section 3.1 of the SensAlert Plus User Manual.

Span Calibration

It is recommended that this sensor be calibrated at the half-scale concentration of 50 ppm. There are no special calibration considerations for this sensor. Complete span calibration instructions are provided in the SensAlert Plus User Manual.

Test-on-Demand Cell

The Type H TOD Cell, p/n 821-0204-10, may be used with this sensor.