

Sensor Data Sheet

SENSALERT PLUS

SENSIDYNE



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	3 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 or SensAlert ASI 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 or SensAlert ASI User Manual.

Test-on-Demand Cell

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