

Sensor Data Sheet

SENSALERT PLUS

SENSIDYNE®



Hydrogen Cyanide
(0 – 20.0 ppm)
Part No. 823-0203-21
FM Performance Certified ¹

Minimum Indicated Concentration	0.6 ppm
Repeatability	± 5% of Reading
Accuracy ²	± 10% of Reading
Span Drift	< 5 % change per month (typical)
Response Time (Rise) ³	T ₅₀ : < 10 seconds
	T ₉₀ : < 30 seconds, successive exposures
Recovery Time (Fall) ³	T ₁₀ : < 60 seconds
Temperature Range	-20° to 50°C (-4° to 122°F)
Humidity Range (continuous)	15–95 %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, seasoned system.

Cross-Interferences*

Gas	Gas Exposure	Sensor Output
Alcohols	1000 ppm	None
Carbon Dioxide	5000 ppm	None
Carbon Monoxide	100 ppm	None
Hydrocarbons	% Range	None
Hydrogen	10,000 ppm	None
Nitric Oxide	20 ppm	-1 ppm
Nitrogen Dioxide	1.4 ppm	-1 ppm
Hydrogen Sulfide	20 ppm	None**

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

** Short gas exposure, typical 40ppm reading after filter saturation.

Special Calibration Considerations: **Hydrogen Cyanide (PN° 823-0203-21)**

Zeroing The Sensor

There are no special zeroing considerations for this sensor. Complete zeroing instructions are provided in the SensAlert^{Plus} User Manual or SensAlert ASI User Manual.

Span Calibration

It is recommended that this sensor be calibrated at 10 ppm HCN. There are no special calibration instructions for this sensor. Complete span calibration instructions are provided in the SensAlert^{Plus} User Manual or SensAlert ASI User Manual.

Test-on-Demand Cell

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