

# Sensor Data Sheet

# SENSALERT PLUS

## SENSIDYNE®



### Ammonia – Low Temperature (0 - 100 ppm) Part No. 823-0201-61

Minimum Indicated Concentration .....	3 ppm
Repeatability .....	± 2% of Reading
Accuracy <sup>1</sup> .....	± 10% of Reading
Span Drift .....	< 2% change per month (typical)
Response Time (Rise) <sup>2</sup> .....	T <sub>50</sub> : < 9 seconds
	T <sub>90</sub> : < 30 seconds, successive exposures
Recovery Time (Fall) <sup>2</sup> .....	T <sub>10</sub> : < 60 seconds
Temperature Range .....	-40° 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 <sup>3</sup> .....	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

<sup>1</sup> When unit is calibrated and serviced at recommended intervals.

<sup>2</sup> Room Temperature.

<sup>3</sup> Continuous or frequent exposure to target or interferent gases will shorten the life of the sensor.

#### Cross-Interferences\*

Gas	Gas Exposure	Sensor Output
Alcohols	1000 ppm	None
Carbon Dioxide	5000 ppm	-1
Carbon Monoxide	100 ppm	None
Hydrocarbons	% Range	None
Hydrogen	1000 ppm	-1
Hydrogen Sulfide	0.4 ppm	+1 ppm

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

## Special Calibration Considerations:

### **Ammonia – Low Temperature Sensor (PN° 823-0201-61)**

#### Zeroing The Sensor

There are no special zeroing considerations for this sensor. Complete zeroing instructions are provided in Section 3.1 of the SensAlert<sup>Plus</sup> 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 NH<sub>3</sub>. There are no special calibration considerations for this sensor. Complete span calibration instructions are provided in Section 3.2 of the SensAlert<sup>Plus</sup> User Manual or SensAlert ASI User Manual.

#### Test-on-Demand Cell

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