

# Sensor Data Sheet

# SENSALERT PLUS

## SENSIDYNE



**Ammonia**  
**Low Interferent**  
**(0 – 500 ppm)**  
**Part No. 823-0201-42**

Minimum Indicated Concentration .....	15 ppm
Repeatability .....	± 5% of Reading
Accuracy <sup>1</sup> .....	± 10% of Reading
Span Drift .....	< 10% change per 6 months (typical)
Response Time (Rise) <sup>2</sup> .....	T <sub>50</sub> : < 10 seconds
	T <sub>90</sub> : < 45 seconds, successive exposures
Recovery Time (Fall) <sup>2</sup> .....	T <sub>10</sub> : < 120 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 .....	24 months from Shipping Date
Recommended Calibration Flow Rate .....	500 to 1000 cc/min
Oxygen Requirement .....	1% by volume, minimum
SensAlert 4-Channel Controller.....	Not Compatible

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

<sup>2</sup>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
Chlorine	5 ppm	None
Hydrogen	3000 ppm	None
Hydrogen Sulfide	10 ppm	+1 ppm
Sulfur Dioxide	0.5 ppm	-1 ppm

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

## Special Calibration Considerations:

### **Ammonia (PN° 823-0201-42)**

#### Zeroing The Sensor

There are no special zeroing considerations for this sensor. Complete zeroing instructions are provided in the SensAlert<sup>Plus</sup> User Manual.

#### Span Calibration

It is recommended that this sensor be calibrated 300 ppm NH<sub>3</sub>. The use of Teflon™ tubing is recommended with this gas to prevent gas absorption into the tubing walls. Complete span calibration instructions are provided in the SensAlert<sup>Plus</sup> User Manual.

#### Test-on-Demand Cell

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