Ammonia
Low Interferent
(0 – 500 ppm)
Part No. 823-0201-42
FM Performance Certified ¹

Minimum Indicated Concentration .............. 15 ppm
Repeatability ........................................... ± 5% of Reading
Accuracy² .................................................. ± 10% of Reading
Span Drift .................................................. < 10% change per 6 months (typical)
Response Time (Rise)³ ................................ T₅₀: < 10 seconds
.............................................................................................................. T₉₀: < 50 seconds, successive exposures
Recovery Time (Fall)³ ................................. T₁₀: < 60 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 .......... Not 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*

<table>
<thead>
<tr>
<th>Gas</th>
<th>Gas Exposure</th>
<th>Sensor Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alcohols</td>
<td>1000 ppm</td>
<td>None</td>
</tr>
<tr>
<td>Carbon Dioxide</td>
<td>5000 ppm</td>
<td>None</td>
</tr>
<tr>
<td>Carbon Monoxide</td>
<td>100 ppm</td>
<td>None</td>
</tr>
<tr>
<td>Chlorine</td>
<td>5 ppm</td>
<td>None</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>3000 ppm</td>
<td>None</td>
</tr>
<tr>
<td>Hydrogen Sulfide</td>
<td>10 ppm</td>
<td>+1 ppm</td>
</tr>
<tr>
<td>Sulfur Dioxide</td>
<td>0.5 ppm</td>
<td>-1 ppm</td>
</tr>
</tbody>
</table>

* 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® Plus User Manual or SensAlert ASI User Manual.

Span Calibration
It is recommended that this sensor be calibrated 300 ppm NH₃. 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® Plus User Manual or SensAlert ASI User Manual.

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

Moisture Barrier & Moisture Concerns
The use of a SensAlert® Plus Moisture Barrier is not recommended with this sensor. In cases where ambient moisture is high, it is recommended that the sensor undergo a 3 minute pre-exposure to ensure the gas is seasoned in prior to calibration.