Ammonia
Low Interferent
(0 – 250 ppm)
Part No. 823-0201-43

Minimum Indicated Concentration .............. 8 ppm
Repeatability .............................................. ± 5% of Reading
Accuracy1 .................................................... ± 10% of Reading
Span Drift ..................................................... < 10% change per 6 months (typical)
Response Time (Rise)2 .................................. T50: < 10 seconds
............................................................. T90: < 50 seconds, successive exposures
Recovery Time (Fall)2 ................................. T10: < 130 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 ................................. 36 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

1 When unit is calibrated and serviced at recommended intervals.
2 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° 823-0201-43)

Zeroing The Sensor
There are no special zeroing considerations for this sensor. Complete zeroing instructions are provided in the SensAlertPlus User Manual or SensAlert ASI User Manual.

Span Calibration
It is recommended that this sensor be calibrated 150 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 SensAlertPlus 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 SensAlertPlus 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.