Ammonia – Low Interferent
(0 - 50 ppm)
Part No. 823-0201-22
FM Performance Certified

Minimum Indicated Concentration .............. 2 ppm
Repeatability ........................................... ± 2% of Reading
Accuracy2 .................................................. ± 5% of Reading
Span Drift .................................................. < 10% change per year (typical)
Response Time (Rise)3 .............................. T50: < 11 seconds
.................................................. T90: < 70 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 Life4 ............................. 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.
4 Continuous or frequent exposure to target or interferent gases will shorten the life of the sensor.

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>Hydrocarbons</td>
<td>% Range</td>
<td>None</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>10,000 ppm</td>
<td>None</td>
</tr>
<tr>
<td>Hydrogen Sulfide</td>
<td>10 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 – Low Interferent Sensor (PN° 823-0201-22)

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 the half-scale concentration of 25 ppm. There are no special calibration considerations 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.

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.