Hydrogen Sulfide
(0 - 250 ppm)
Part No. 823-0206-24

Minimum Indicated Concentration .............. 8 ppm
Repeatability ........................................ ± 2% of Reading
Accuracy1 .............................................. ± 10% of Reading
Span Drift ................................................ < 10% change per year (typical)
Response Time (Rise)2 ................................ T50: < 10 seconds
......................................................... T90: < 30 seconds, successive exposures
Recovery Time (Fall)2 ................................ 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

1When unit is calibrated and serviced at recommended intervals.
2Room Temperature.

Cross-Interferences*

<table>
<thead>
<tr>
<th>Gas</th>
<th>Gas Exposure</th>
<th>Sensor Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ammonia</td>
<td>100 ppm</td>
<td>None</td>
</tr>
<tr>
<td>Carbon Monoxide</td>
<td>50 ppm</td>
<td>+1 ppm</td>
</tr>
<tr>
<td>Chlorine</td>
<td>10 ppm</td>
<td>-1 ppm</td>
</tr>
<tr>
<td>Ethylene</td>
<td>100 ppm</td>
<td>None</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>700 ppm</td>
<td>+1 ppm</td>
</tr>
<tr>
<td>Hydrogen Chloride</td>
<td>5 ppm</td>
<td>None</td>
</tr>
<tr>
<td>Hydrogen Cyanide</td>
<td>10 ppm</td>
<td>None</td>
</tr>
<tr>
<td>Nitric Oxide</td>
<td>35 ppm</td>
<td>None</td>
</tr>
<tr>
<td>Nitrogen Dioxide</td>
<td>5 ppm</td>
<td>-1 ppm</td>
</tr>
<tr>
<td>Sulfur Dioxide</td>
<td>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:
Hydrogen Sulfide Sensor (PN° 823-0206-24)

Zeroing The Sensor
There are no special zeroing considerations for this sensor. Complete zeroing instructions are provided in Section 3.1 of the SensAlertPlus User Manual or SensAlert ASI User Manual.

Span Calibration
It is recommended that this sensor be calibrated at 100 ppm. There are no special calibration considerations for this sensor. Complete span calibration instructions are provided in Section 3.2 of the SensAlertPlus User Manual or SensAlert ASI User Manual.

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