Hydrogen Cyanide
(0 – 20.0 ppm)
Part No. 823-0203-21
FM Performance Certified ¹

Minimum Indicated Concentration .............. 0.6 ppm
Repeatability ........................................... ± 5% of Reading
Accuracy² .................................................. ± 10% of Reading
Span Drift .................................................. < 5 % change per month (typical)
Response Time (Rise)³ .................................. T50: < 10 seconds
T90: < 30 seconds, successive exposures
Recovery Time (Fall)³ .................................... T10: < 60 seconds
Temperature Range .................................. -20° to 50°C (-4° to 122°F)
Humidity Range (continuous) ................. 15–95 %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 .................. Compatible

¹ For use in an FM Approved SensAlert™ 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>Hydrocarbons</td>
<td>% Range</td>
<td>None</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>10,000 ppm</td>
<td>None</td>
</tr>
<tr>
<td>Nitric Oxide</td>
<td>20 ppm</td>
<td>-1 ppm</td>
</tr>
<tr>
<td>Nitrogen Dioxide</td>
<td>1.4 ppm</td>
<td>-1 ppm</td>
</tr>
<tr>
<td>Hydrogen Sulfide</td>
<td>20 ppm</td>
<td>None**</td>
</tr>
</tbody>
</table>

* Interference factors may differ from sensor to sensor, it is not advisable to calibrate with interferent gases.
** Short gas exposure, typical 40ppm reading after filter saturation.
**Special Calibration Considerations:**
**Hydrogen Cyanide (PN° 823-0203-21)**

**Zeroing The Sensor**
There are no special zeroing considerations for this sensor. Complete zeroing instructions are provided in the SensAlert\textsuperscript{Plus} User Manual or SensAlert ASI User Manual.

**Span Calibration**
It is recommended that this sensor be calibrated at 10 ppm HCN. There are no special calibration instructions for this sensor. Complete span calibration instructions are provided in the SensAlert\textsuperscript{Plus} User Manual or SensAlert ASI User Manual.

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