Carbon Monoxide – Low Interferent
(0 - 1000 ppm)
Part No. 823-0219-43
FM Performance Certified

Minimum Indicated Concentration .............. 30 ppm
Repeatability ............................................. ± 5% of Reading
Accuracy2 ..................................................... ± 10% of Reading
Span Drift .................................................. < 12% change per year (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) ................. 15–90 %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™ 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>Ammonia</td>
<td>200 ppm</td>
<td>&lt;1 ppm</td>
</tr>
<tr>
<td>Carbon Dioxide</td>
<td>5000 ppm</td>
<td>None</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>18 ppm</td>
<td>1 ppm1</td>
</tr>
<tr>
<td>Hydrogen Sulfide</td>
<td>100 ppm</td>
<td>None2</td>
</tr>
<tr>
<td>Nitric Oxide</td>
<td>17 ppm</td>
<td>&lt;1 ppm</td>
</tr>
<tr>
<td>Nitrogen Dioxide</td>
<td>20 ppm</td>
<td>&lt;1 ppm</td>
</tr>
</tbody>
</table>

* Interference factors may differ from sensor to sensor, it is not advisable to calibrate with interferent gases.
1 Based on a 950ppm exposure
2 Until filter breakthrough
**Special Calibration Considerations:**

**Carbon Monoxide – Low Interferent Sensor (PN° 823-0219-43)**

**Zeroing The Sensor**

There are no special zeroing considerations for this sensor. Complete zeroing instructions are provided in the SensAlert\(^{\text{Plus}}\) User Manual or SensAlert ASI User Manual.

**Span Calibration**

It is recommended that this sensor be calibrated at the half-scale concentration of 500 ppm. There are no special calibration considerations for this sensor. Complete span calibration instructions are provided in the SensAlert\(^{\text{Plus}}\) 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\(^{\text{Plus}}\) Moisture Barrier is acceptable with this sensor. In cases where a moisture barrier is used, it is recommended that the sensor be calibrated with the barrier in place and undergo a 60 second pre-exposure to ensure the gas is seasoned in prior to calibration.