

Rev. 01/08

**M-SERIES CARBON MONOXIDE SENSOR**

**PRINCIPLE OF OPERATION:** Electrochemical Reaction

**PERFORMANCE CHARACTERISTICS\*:**

<b>MODEL Nos.</b>	<b>800695, 801075, 801395</b>
<b>Operating Range</b>	0-500 PPM
<b>Maximum Concentration</b>	1,000 PPM
<b>Sensitivity (µA/PPM)</b>	.11 ± .05 µA/PPM
<b>Precision/Repeatability</b>	±1% of Signal
<b>Linearity</b>	±2% of Reading or 5ppm, whichever is greater
<b>Response Time (secs to 90% F.S.)</b>	< 30 secs to 90% Full Signal Typical; 20 secs
<b>Resolution</b>	1.0 PPM
<b>Background (nominal after warmup)</b>	< -5 to +5 PPM
<b>Temperature Range: Continuous</b>	0 to + 45°C
<b>Intermittent</b>	-20 to + 55°C
<b>Temperature Coefficient: Span</b>	1-1.5% per °C
<b>(-10 to + 45°C) Baseline</b>	5-7 PPM maximum shift
<b>Recommended Operating Pressure</b>	Ambient ± 2 psi
<b>RH Range: Continuous</b>	15-90% non-condensing
<b>Intermittent</b>	0-99% non-condensing
<b>Stability: Span Drift</b>	< 2% per month
<b>Background Drift</b>	< 2 PPM per day
<b>Position Sensitivity</b>	None
<b>Expected Lifetime</b>	> 2 years
<b>Storage Life</b>	6 months in container

\*Estimates based on laboratory testing at standard temperature, pressure, and humidity unless otherwise noted. Users must determine actual specifications in their application. Please refer to explanatory notes.

\*\*Filter removes selected interferences; consult interference table and engineering data.

**PHYSICAL DATA:**

<b>Operating Bias Potential:</b>	0 mV (working vs. reference)
<b>Weight:</b>	5g
<b>Dimensions:</b>	<i>Diameter:</i> 0.625 in.
	<i>Height:</i> 1.1 in.