

**S-SERIES Carbon Monoxide SENSOR**

Rev 01/08

**PRINCIPLE OF OPERATION:** Electrochemical Reaction

**PERFORMANCE CHARACTERISTICS:**

	CO-SNS	CO-SNH (801354)
<b>Operating Range</b>	0-1,000 ppm CO	0-10,000 ppm CO
<b>Maximum Concentration</b>	2,000 ppm	50,000 ppm
<b>Output Signal (nA/ppm CO)</b>	100 ±20 nA/ppm	50 ±20 nA/ppm
<b>Repeatability</b>	±2% of Signal	±2% of Signal
<b>Linearity</b>	<2% or 5 ppm, whichever is greater	<2% or 10 ppm, whichever is greater
<b>Reponse Time (secs to 90% F.S.)</b>	< 30 secs to 90% Full Signal	< 20 secs to 90% Full Signal
<b>Resolution at 25°C</b>	(0.5 ppm)	(10 ppm)
<b>Nominal Baseline after Warmup</b>	<2 ppm	<10 ppm
<b>Temperature Range:</b> Continuous Intermittent	5 to + 45°C -20 to +55°C	5 to + 45°C -20 to +55°C
<b>Temperature Effect</b> Sensitivity Baseline Shift	<0.5%/°C <1 ppm/°C	<0.5%/°C <1 ppm/°C
<b>Recommended Operating Pressure</b>	Ambient ± 2 psi	Ambient ± 2 psi
<b>Pressure Effect</b>	ND	ND
<b>RH Range:</b> Continuous Intermittent	15-95% non-condensing 0-99% non-condensing	15-95% non-condensing 0-99% non-condensing
<b>Long Term Span Drift</b>	< 2% per month	< 2% per month
<b>Position Sensitivity</b>	None	None
<b>Expected Lifetime</b>	> 1 year	> 1 year
<b>Storage Life</b>	> 6 months in container	> 6 months in container

**PHYSICAL DATA:**

**Operating Bias Potential:** 0 mV (working vs. reference)  
**Weight:** 9-10g  
**Dimensions:** Diameter: 1.2 inches (29 mm)  
 Height (no Filter): 0.6 inches (15 mm)