



PRODUCT SPECIFICATION

LPT-A-COB Transmitter

Analog Transmitter with Electrochemical Carbon Monoxide (CO) Sensors

Standard Enclosure	
Dimensions: Size Weight	5.0" X 5.0" X 2.4" (127 mm x 127 mm x 60.96 mm) (dimensions with optional splash guard) 14 ounces (400 g)
Construction	ABS / Polycarbonate blend, water/dust tight, corrosion resistant (designed to meet IP54 standard)
Sensors: Type Life Span	Electrochemical Approximately 6 years (application dependent)
Gases Detected	Carbon Monoxide
Sensor Range	0 – 200 ppm standard. Other ranges available
System Power	3-wire: VDC: 12-30 VDC, 3-Watts 4-wire: VAC: 12-27VAC, 3-VA
Temperature	-20°C to +40°C (-4°F to 104°F), -40°C (-40°F) with LCD heater option
Humidity	15 to 90% non-condensing
Indicators	LCD digital display, back lit, 128 X 64 pixel graphic
Signal	Current: Linear 4-20 mA (maximum 216 ohm load, wiring plus termination resistor @ 12VDC) Maximum 316 ohm load, wiring plus termination resistor @ 12VAC Voltage: 0-10 Volt, Minimum 1k ohm load
Minimum Detection	0.5 ppm (with regular calibration maintenance of sensor)
Repeatability	< +/- 2% (with regular calibration maintenance of sensor)
Accuracy	+/- 2% of range @ STP (with regular calibration maintenance of sensor)
Sensitivity drift	<3% change/year in lab air, monthly test (with regular calibration maintenance of sensor)
Response time	<25 seconds T ₉₀ from 0 to 400 ppm
Resolution	Displayed resolution 1-ppm, sensor resolution 0.3 ppm
Warm Up Time	2-minutes after power up (to full operation)
Cross Sensitivity	<0.1% H ₂ S @ 20 ppm, <0.1% NO ₂ @ 10 ppm, <0.1% Cl ₂ @ 10 ppm, <25% NO @ 50 ppm, <0.1% SO ₂ @ 20 ppm, <65% H ₂ @ 400 ppm, <65% C ₂ H ₄ @ 400 ppm, 0.1% NH ₃ @ 20 ppm
Fusing	Automatic resetting thermal overload fuse (reset capabilities to 500 times)
Wiring	VDC or ground referenced VAC, 3-conductor shielded 18 awg stranded VAC 4-conductor shielded 18 awg stranded
Sensor Mounting	Slightly lighter than air, 4' to 6' from floor (Breathing Zone)
Monitoring Area	7000 to 10,000 sq. ft. (application dependent)
Certifications	CSA: C22.2 NO.205-M1983 (R2009) UL: UL508 (Edition 17): 2007 CE: EMC-EN50270:2006, Type-1 & EN61000-4-2 to 11
Note	Never install gas detectors in the direct path of moving air.

Rev: 1403-2