

Analog Transmitter with Electrochemical Carbon Monoxide (CO) Sensor (standard range)

Dimensions: Size Weight	5.0 x 5.0 x 3.0 in (127 x 127 x 76 mm) without optional splash guard (Option –S) 14 oz / 400 g	
Construction:	Black ABS / Polycarbonate blend, water/dust tight, corrosion resistant	
Sensor: Type	Electrochemical	
Life Span	Approximately 3 years (application dependent)	
Complies With	UL2075, 2 nd Edition, Standard for Gas and Vapour Detectors and Sensors	
Gases Detected:	Carbon Monoxide (CO)	
Sensor Range:	0 – 200 ppm (standard)	
System Power:	3-wire: VDC: 16-30 VDC, 3-Watts, Class 2 4-wire: VAC: 12-27 VAC, 3-VA, Class 2	Peak Power Draw: 1.68 watts* *add 0.15 watts for relay if installed or 0.7 watts if relay + buzzer are installed
Operating Temperature:	0°C to +40°C (32°F to 104°F), -40°C (40°F) with low temperature Option -LT	
Operating Humidity:	15 to 90% non-condensing	
Indicators:	LCD digital display, 2 line x 16 character, backlit	
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: jumper selectable 0-10v, 2-10v, etc.	
Relay:	optional SPDT relay rated 30 volts, 2 amp max, Power Draw: 0.15 watts	
Audible + Relay:	optional internal buzzer rated 90 dB @ 10 cm / 4 in and SPDT relay rated 30 volts, 2 amp max. Power Draw: 0.7 watts	
Minimum Detection:	2 ppm (with regular calibration maintenance of sensor)	
Accuracy:	<1ppm	
Repeatability:	< ±3% CO equivalent	
Sensitivity Drift:	<5 % per year	
Response Time (T₉₀):	<30 seconds	
Resolution:	Display resolution 1 ppm Sensor resolution: <1 ppm	
Warm Up Time:	3 minutes after power up (to full operation)	
Cross Sensitivity:	H ₂ @1000 ppm = <35ppm, NO@50ppm = <10ppm, C ₂ H ₆ O@200ppm = <1ppm, CL ₂ @15 = <1ppm, C ₂ H ₄ @100ppm = <96ppm, C ₂ H ₂ @100ppm = <90ppm	
Safety:	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:	Breathing Zone – slightly lighter than air 4 to 6 ft (1.2 to 1.8 m) from finished floor	
Monitoring Area:	7,000 to 10,000 ft ² / 464 to 929 m ² 40 to 56 foot / 12 to 17 meter radius, application dependent	
Suggested Alarm Points	Low Alarm: 25 ppm / Mid Alarm: 50 ppm / High Alarm: 100 ppm	
Certifications: (tested to)	CSA-C22.2 No. 205-12, UL508 (Edition 18):2018 EMC Directive 2014/30/EU, EN 50270:2015, Type 1, EN61010 Sensor complies with UL2075, 2 nd Edition RoHS compliant circuit boards This device complies with part 15 of the FCC Rules	
Notes:	Never install gas detectors in the direct path of moving air.	

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