

Analog Transmitter with Electrochemical Ozone (O₃) Sensors

Dimensions: Size	5.0" X 5.0" X 2.1" (127 mm x 127 mm x 53 mm) (dimensions without optional splash guard)
Weight	0.8 lbs (363 g)
Construction:	ABS / Polycarbonate blend, water/dust tight, corrosion resistant
Sensor: Type	Electrochemical
Life Span	Approximately 2+ years (application dependent)
Gases Detected:	Ozone (O ₃)
Sensor Range:	0 – 1.0 ppm standard
System Power:	3-wire: VDC: 16-30 VDC, 3-Watts, Class 2 4-wire: VAC: 12-27VAC, 3-VA, Class 2
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 (optional heater - applications to -40C)
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
Relay:	One dry contact relay rated 2-amps @ 30v S.P.D.T.
Audible:	Internal audible alarm (user controlled)
Minimum Detection:	0.02 ppm (with regular calibration maintenance of sensor)
Accuracy:	+/- 0.1 ppm @ STP, across measurement range at time of calibration with Cl2 and at calibration concentration + calibration gas concentration error
Repeatability:	5% (with regular calibration maintenance of sensor)
Sensitivity Drift:	Zero: +36-ppb (with regular calibration maintenance of sensor) +20 to +40C Span: <4% signal per month (with regular calibration of sensor)
Response Time:	<150 seconds T ₉₀
Resolution:	Display resolution 0.01 ppm, sensor resolution: 0.02 ppm
Warm Up Time:	5- minutes after power up (to full operation)
Cross Sensitivity:	H2S 15 ppm = -2, NO2 5 ppm = 3.5, Cl2 1 ppm = 1
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:	Heavier than air, 6" from the floor
Monitoring Area:	3000 sq. ft.
Certifications:	CSA: C22.2 NO.205-M1983 (R2009)
(tested to)	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.

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