



PRODUCT SPECIFICATION

LPT-A-O3 Transmitter

Analog Transmitter with Electrochemical Ozone (O3) Sensors

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| Dimensions: Size | 5.0" X 5.0" X 2.4" (127 mm x 127 mm x 60.96 mm) (with optional splash guard) |
| Weight | 14 ounces (400 g) |
| Construction: | ABS / Polycarbonate blend, water/dust tight, corrosion resistant (IP54 standard with splash guard installed) |
| Sensor: Type | Electrochemical |
| Life Span | Approximately 3+ years (application dependent) |
| Gases Detected: | Ozone (O3) |
| Sensor Range: | 0 – 2.0 ppm standard |
| System Power: | 3-wire: VDC: 12-30 VDC, 3-Watts 4-wire: VAC: 12-27VAC, 3-VA |
| Temperature: | -20°C to +50°C (-4°F to 122°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: | 0.1 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: (tested to) | 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. |

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