



Analog Transmitter with Electrochemical Oxygen (O₂) Sensors

Standard Enclosure	
Dimensions: Size	5.0" x 5.0" x 2.4" (127 mm x 127 mm x 60.96 mm) (dimensions with optional splash guard)
Weight	14 ounces (400 g)
Construction	ABS / Polycarbonate blend, water/dust tight, corrosion resistant (designed to meet IP54 standard)
Sensors: Type	Electrochemical capillary type
Life Span	36-months until 85% original output in 20.9% O ₂
Gases Detected	Oxygen
Sensor Range	0 – 25.0% Volume
System Power	3-wire mode: 16 – 30 VDC 4-wire mode: 12 – 30 VAC or 16 – 30 VDC
Temperature	-20°C to 40°C (-4°F to 104°F)
Humidity	5 – 90% RH non-condensing, <0.7% O ₂ change 0% to 95% @ 40C
Indicators	128 X 64 pixel graphic back lit LCD digital display
Signal	Current: Linear 4-20 mA (maximum 216 ohm load, wiring plus termination resistor @ 16VDC) Maximum 316 ohm load, wiring plus termination resistor @ 12VAC Voltage: 0-10 VDC, Minimum 1k ohm load
Minimum Detection	
Repeatability	< 2% of signal
Pressure Sensitivity	<0.1% change of output @ 20 kPa
Maximum Zero Shift	± 0.2 ppm equivalent
Clean Air Output Drift	< 2% change @ 3-months
Response Time	< 15 seconds T ₉₀ from 20.9% to 0%
Cross Sensitivity	
Fusing	Automatic resetting thermal
Wiring	VDC three conductor shielded 18 awg stranded VAC four conductor shielded 18 awg stranded
Sensor Mounting	
Monitoring Area	
Calibration	Every 6 months (for best repeatability & performance) or once a year (depending on application)
Certifications	CSA: C22.2 NO.205-M1983 (R2009) UL: UL508 (Edition 17): 2007 CE: EN61010-1:2010 & EMC-EN50270:2006
Note	Never install gas detectors in the direct path of moving air.

Rev: 1403-2



PRODUCT SPECIFICATION
LPT-A-O2 Transmitter
