



# PRODUCT SPECIFICATION

## LPT-A-EH2 Transmitter

### Analog Transmitter with Electrochemical Hydrogen (H<sub>2</sub>) Sensors

	Standard Enclosure
<b>Dimensions: Size</b>	5.0" x 5.0" x 2.4" (127 mm x 127 mm x 60.96 mm) (dimensions with optional splash guard)
<b>Weight</b>	14 ounces (400 g)
<b>Construction</b>	ABS / Polycarbonate blend, water/dust tight, corrosion resistant (IP54 rated with splash guard attached)
<b>Sensors: Type</b>	Electrochemical capillary type
<b>Life Span</b>	2-years in air
<b>Gases Detected</b>	Hydrogen
<b>Sensor Range</b>	0 – 2000 ppm
<b>System Power</b>	3-wire mode: 16 – 30 VDC 4-wire mode: 12 – 30 VAC or 16 – 30 VDC
<b>Temperature</b>	-20°C to 40°C (-4°F to 104°F)
<b>Humidity</b>	15 – 90% RH non-condensing
<b>Indicators</b>	128 X 64, pixel graphic back lit LCD digital display
<b>Signal</b>	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
<b>Minimum Detection</b>	2 ppm
<b>Repeatability</b>	2% of signal
<b>Pressure Sensitivity</b>	0.009 +/- 0.003% signal/mBar
<b>Maximum Zero Shift</b>	-35 ppm (+20C to + 40C)
<b>Clean Air Output Drift</b>	< 2% signal loss per month
<b>Response Time</b>	< 50 seconds T <sub>90</sub>
<b>Cross Sensitivity</b>	CO: 300 ppm = 0.5 ppm, H <sub>2</sub> S: 15 ppm = <3 ppm, NO: 35 ppm = 10 ppm, HCN: 10 ppm = 3 ppm, C <sub>2</sub> H <sub>4</sub> : 100 ppm = 80 ppm
<b>Fusing</b>	Automatic resetting thermal
<b>Wiring</b>	VDC three conductor shielded 18 awg stranded VAC four conductor shielded 18 awg stranded
<b>Sensor Mounting</b>	On or near the ceiling (lighter than air) application dependent
<b>Monitoring Area</b>	5000 sq. ft. (application dependent)
<b>Calibration</b>	Every 6 months (for best repeatability & performance) or once a year (depending on application)
<b>Certifications</b>	CSA: C22.2 NO.205-M1983 (R2009)UL: UL508 (Edition 17): 2007 CE: EN61010-1:2010 & EMC-EN50270:2006
<b>Note</b>	Never install gas detectors in the direct path of moving air. Rev: 1403-6