# LPT-A-CCH4 Transmitter

## Analog Transmitter with catalytic combustible sensor calibrated for Methane (CH4)

| | Standard Enclosure |
|---|---|
| **Dimensions: Size** <br> **Weight** | 5.0" X 5.0" X 2.4" (127 mm x 127 mm x 60.96 mm) (dimensions with optional splash guard) <br> 14 ounces (400 g) |
| **Construction** | ABS / Polycarbonate blend, water/dust tight, corrosion resistant <br> (designed to meet IP54 standard) |
| **Sensors: Type** <br> **Life Span** | Catalytic <br> Approximately 5 years |
| **Gases Detected** | Calibrated for CH4 but also detects many other combustible gases |
| **Sensor Range** | 0 – 100% LEL standard. |
| **System Power** | 3-wire: VDC: 12-30 VDC, 3-Watts <br> 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** | 5 to 95% non-condensing |
| **Indicators** | LCD digital display, back lit, 128 X 64 pixel graphic |
| **Signal** | Current:  Linear 4-20 mA (maximum 216 ohm load, wiring plus termination resistor @ 12VDC) Maximum 316 ohm load, wiring plus termination resistor @ 12VAC <br> Voltage: 0-10 Volt, Minimum 1k ohm load |
| **Minimum Detection** | 1% LEL (with regular calibration maintenance of sensor) |
| **Repeatability** | < +/- 3% (with regular calibration maintenance of sensor) |
| **Accuracy** | +/- 5% of range @ STP (with regular calibration maintenance of sensor) |
| **Response time** | <50 seconds $T_{90}$ |
| **Resolution** | 1% LEL |
| **Warm Up Time** | 3-minutes after power up (to 80% of range). <br> Warm up time dependent upon how long sensor has been without power. Long periods may require a 6+ hour warm up to meet published specification |
| **Cross Sensitivity** | All common flammable gases |
| **Fusing** | Automatic resetting thermal overload fuse (reset capabilities to 500 times) |
| **Wiring** | VDC or ground referenced VAC, 3-conductor shielded 18 awg stranded <br> VAC 4-conductor shielded 18 awg stranded |
| **Sensor Mounting** | Lighter than air, on or near the ceiling |
| **Monitoring Area** | 5000 sq. ft. (application dependent) |
| **Certifications** | CSA: C22.2 NO.205-M1983 (R2009) <br> UL: UL508 (Edition 17): 2007 <br> 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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