

## Digital Transmitter with High Range PID TVOC Sensor

<b>Dimensions: Size</b>	5.0 x 5.0 x 3.0 in (127 x 127 x 76 mm) (without optional splash guard)	
<b>Weight</b>	14 oz / 400 g	
<b>Construction:</b>	Black ABS / Polycarbonate blend, water/dust tight, corrosion resistant	
<b>Sensor: Type</b>	PID (10.6eV lamp energy)	
<b>Life Span</b>	Approximately 5-years (excluding replaceable lamp and electrode stack)	
<b>Gases Detected:</b>	TVOCs (Total Volatile Organic Compounds), includes extensive range of gases and chemicals	
<b>Sensor Range:</b>	0 – 300 ppm (calibrated with Isobutylene span gas)	
<b>System Power:</b>	4-wire: 16-30 VDC, 3W, Class 2 4-wire: 12-27 VAC, 50-60 Hz, 3 VA, Class 2	
<b>Operating Temperature:</b>	0°C to +40°C (32°F to 104°F), -40°C (-40°F) with low temperature Option -LT	
<b>Operating Humidity:</b>	15 to 90% non-condensing	
<b>Indicators:</b>	LCD digital display, 2 line x 16 character, backlit	
<b>Communication</b>	BACnet® MS/TP (version 1 rev 14) RS-485, or Modbus® RTU (version 1.1b3) RS-485	
<b>Relay:</b>	optional SPDT relay rated 30 volts, 2 amp max (Option –RLY)	
<b>Audible:</b>	none	
<b>Minimum Detection:</b>	0.1 ppm Isobutylene	
<b>Accuracy:</b>	no data available	
<b>Repeatability:</b>	no data available	
<b>Sensitivity:</b>	>6.0 mV / ppm Isobutylene	
<b>Response Time (T<sub>90</sub>):</b>	<3 sec (diffusion)	
<b>Resolution:</b>	Display resolution: 1 ppm	Sensor resolution: ±0.1 ppm
<b>Warm Up Time:</b>	4 minutes after power-up	
<b>Cross Sensitivity:</b>	Many other gases, vapours, chemicals	
<b>Safety:</b>	Automatic resetting thermal overload fuse (reset capabilities to 500 times)	
<b>Wiring:</b>	VDC or VAC (ground referenced) 4-conductor shielded, 16 AWG stranded within conduit, network wiring (daisy-chain)	
<b>Sensor Mounting:</b>	Heavier than air, 6 in / 15 cm from the floor (application dependent)	
<b>Monitoring Area:</b>	3000 ft <sup>2</sup> / 279 m <sup>2</sup>	
<b>Suggested Alarm Points</b>	Low Alarm: 5.0 ppm / Mid Alarm: 10.0 ppm / High Alarm: 20.0 ppm	
<b>Certifications:</b> <b>(tested to)</b>	CSA: C22.2 NO.205-12    UL: UL508 (Edition 18): 2018 CE: EMC Directive 2014/30/EU, EN50270:2015, Type 1, EN61010 Listed by BTL RoHS compliant circuit boards This device complies with part 15 of the FCC Rules	
<b>Notes:</b>	Never install gas detectors in the direct path of moving air.	

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