

Digital Transmitter with High Range PID TVOC Sensor

Dimensions: Size	5.0 x 5.0 x 3.0 in (127 x 127 x 76 mm) (without optional splash guard)
Weight	14 oz / 400 g
Construction:	Black ABS / Polycarbonate blend, water/dust tight, corrosion resistant
Sensor: Type	PID (10.6eV lamp energy)
Life Span	Approximately 5-years (excluding replaceable lamp and electrode stack)
Gases Detected:	TVOCs (Total Volatile Organic Compounds), includes extensive range of gases and chemicals
Sensor Range:	0 – 300 ppm (calibrated with Isobutylene span gas)
System Power:	4-wire: 16-30 VDC, 3W, Class 2 4-wire: 12-27 VAC, 50-60 Hz, 3 VA, Class 2
Operating Temperature:	0°C to +40°C (32°F to 104°F), -40°C (-40°F) with low temperature Option -LT
Operating Humidity:	15 to 90% non-condensing
Indicators:	LCD digital display, 2 line x 16 character, backlit
Communication	BACnet® MS/TP (version 1 rev 14) RS-485, or Modbus® RTU (version 1.1b3) RS-485
Relay:	optional SPDT relay rated 30 volts, 2 amp max (Option –RLY)
Audible:	none
Minimum Detection:	0.1 ppm Isobutylene
Accuracy:	no data available
Repeatability:	no data available
Sensitivity:	>6.0 mV / ppm Isobutylene
Response Time (T₉₀):	<3 sec (diffusion)
Resolution:	Display resolution: 1 ppm Sensor resolution: ±0.1 ppm
Warm Up Time:	4 minutes after power-up
Cross Sensitivity:	Many other gases, vapours, chemicals
Safety:	Automatic resetting thermal overload fuse (reset capabilities to 500 times)
Wiring:	VDC or VAC (ground referenced) 4-conductor shielded, 16 AWG stranded within conduit, network wiring (daisy-chain)
Sensor Mounting:	Heavier than air, 6 in / 15 cm from the floor (application dependent)
Monitoring Area:	3000 ft ² / 279 m ²
Suggested Alarm Points	Low Alarm: 5.0 ppm / Mid Alarm: 10.0 ppm / High Alarm: 20.0 ppm
Certifications: (tested to)	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
Notes:	Never install gas detectors in the direct path of moving air.

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