

Digital Transmitter with Electrochemical Chlorine (Cl₂) Sensor (Standard Range)

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	Electrochemical
Life Span	Approximately 3 years (application dependent)
Gases Detected:	Chlorine (Cl ₂)
Sensor Range:	0 – 5.0 ppm (standard)
System Power:	4-wire: 16-30 VDC, 3W, Class 2 4-wire: 12-27 VAC, 50-60 Hz, 3 VA, Class 2
Temperature:	0°C to +40°C (32°F to 104°F)
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:	not available
Audible:	none
Minimum Detection:	±0.1 ppm (with regular calibration maintenance of sensor)
Accuracy:	±0.1 ppm @ STP, across measurement range at time of calibration and at calibration concentration + calibration gas concentration error
Repeatability:	±2% (with regular calibration maintenance of sensor)
Sensitivity Drift:	Zero: 0.03 ppm change/year in lab air (with regular calibration maintenance of sensor)
Response Time (T₉₀):	<60 seconds
Resolution:	Display resolution 0.1 ppm, sensor resolution: ± 0.1 ppm
Warm Up Time:	5- minutes after power up (to full operation)
Cross Sensitivity:	H ₂ S 20 ppm = -100, NO ₂ 10 ppm = 100, NO 50 ppm = <0.5, SO ₂ 20 ppm = <-2, CO 400 ppm = <0.1, H ₂ 400 ppm = <0.1, C ₂ H ₄ 400 ppm = <0.1, NH ₃ 20 ppm = <0.1
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, mount 6 in / 15 cm from floor
Monitoring Area:	3000 ft ² / 279 m ²
Suggested Alarm Setpoints	Low Alarm: 0.5 ppm / Mid Alarm: 0.7 ppm / High Alarm: 1.0 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
Note:	Never install gas detectors in the direct path of moving air.

Rev: 2022-01