



Digital (BACnet®) Transmitter with Electrochemical Hydrogen (H₂) Sensor

Dimensions: Size	5.0" X 5.0" X 2.8" (127 mm x 127 mm x 71 mm) (dimensions without optional splash guard)
Weight	5.0" X 5.0" X 3.3" (127 mm x 127 mm x 84 mm) (dimensions with optional splash guard) 14 ounces (400 g)
Construction	ABS / Polycarbonate blend, water/dust tight, corrosion resistant (meets IP54 standard with optional splash guard installed)
Sensors: Type	Electrochemical capillary type
Life Span	2-years in air
Gases Detected	Hydrogen
Sensor Range	0 – 2000 ppm
System Power	3-wire mode: 16 – 30 VDC 4-wire mode: 12 – 30 VAC or 16 – 30 VDC
Temperature	-20°C to 40°C (-4°F to 104°F)
Humidity	15 – 90% RH non-condensing
Indicators	LCD digital display, back lit, 128 X 64 pixel graphic
Signal	BACnet® MS/TP
Relay	One dry contact relay rated 2-amps @ 30v S.P.D.T.
Audible:	Internal audible alarm (user controlled)
Minimum Detection	2 ppm
Repeatability	2% of signal
Pressure Sensitivity	0.009 +/- 0.003% signal/mBar
Maximum Zero Shift	-35 ppm (+20C to + 40C)
Clean Air Output Drift	< 2% signal loss per month
Response Time	< 50 seconds T ₉₀
Cross Sensitivity	CO: 300 ppm = 0<x\$<60 ppm, H2S: 15 ppm = <3 ppm, NO: 35 ppm = 10 ppm, HCN: 10 ppm = 3 ppm, C2H4: 100 ppm = 80 ppm
Fusing	Automatic resetting thermal
Wiring	4-wire VAC/VDC, 16 awg, 4-conductor shielded network wiring (daisy chain)
Sensor Mounting	On or near the ceiling (lighter than air) application dependent
Monitoring Area	5000 sq. ft. (application dependent)
Calibration	Every 6 months (for best repeatability & performance) or once a year (depending on application)
Certifications	CSA: C22.2 NO.205-12 UL: UL508 (Edition 17): 2007 CE: EMC Directive 2004/108/EC, EN50270:2006, Type-1 & EN61010 FCC Listed by BTL
Note	Never install gas detectors in the direct path of moving air.

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