



BACnet digital transmitters with Low Range semi-conductor TVOC Sensors

Standard Enclosure	
Dimensions: Size Weight	5.0" X 3.5" X 1.5" (127 mm x 89 mm x 38 mm) 12 ounces (340 g)
Construction	General purpose ABS (Optional water/dust tight polycarbonate)
Sensors: Type Life Span Calibration	Heated semi-conductor Approximately 7-years One to two times per year (application & accuracy dependent)
Gases Detected	TVOCs (Total Volatile Organic Compounds). Includes extensive range of gases and chemicals.
Sensor Range	0 – 500 ppm standard, calibrated with Isobutylene span gas
System Power	VDC: 24 VDC, current draw: 30 mA, 90 mA with LED digital display option
Temperature	-30° C to +40° C (-40° F to 131° F). Note: Temperature extremes may require water tight enclosure
Humidity	0 to 90% non-condensing
Indicators	<u>Optional</u> local LED digital display
Signal	BACnet digital protocol MS/TP up to 76,800 bps MAC address 0-127 DIP switch settable
Minimum Detection	10 ppm Isobutylene
Warm Up Time	6 to 12 hours (minimum) after power up (to full operation)
Response Time	30-seconds t_{90}
Cross Sensitivity	Many other gases, vapours, chemicals
Fusing	Automatic resetting thermal overload fuse (reset capabilities to 500 times)
Wiring	4-conductor, shielded network wiring, "daisy-chain" wired
Sensor Mounting	Heavier than air, 6" from floor (typically), application dependent
Certifications	BTL lab, CE & C-Tick pending

Notes: Never install gas detection sensors in the direct path of moving air.