

BST series BACnet Transmitters



Standard Housing



Watertight Housing

BACnet transmitter features:

- MS/TP BACnet communication
- Adjustable baud rate
- available 4-20 mA output signal
- optional relay
- optional LED display
- thermal resetting fuse
- LED indicator for power and alarm status
- simple calibration procedure

The standard housing is rugged PVC and an optional watertight polycarbonate housing is available to suit different applications.

Calibration and maintenance procedures are simple and are easily performed in the field.

Gases Detected:

CO, NO₂, Ammonia, Chlorine, Ozone, Combustibles, Refrigerants, Oxygen, NO, SO₂, Hydrogen and more.

BACnet transmitters available with electrochemical, catalytic or solid state sensors.

Applications:

Vehicle exhaust - parking garages, repair shops
Arenas - Ammonia, CO, NO₂
Pools - Chlorine, Ozone
Food plants - Ammonia
... and many more



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SENSOR TYPE

Catalytic Pellistor	C
Electrochemical Toxic	E
HVAC Electrochemical (CO only)	M
Electrochemical Oxygen	O
Solid-State	S

GAS TYPE

Ammonia (NH3)	EAM
Combustible Gases	SCB or CCB
Carbon Monoxide (CO)	MCO
Chlorine (Cl2)	ECL
Ethylene	EC4
Ethylene Oxide (ETO)	EET
Formaldehyde	EFO
Hydrogen (H2)	EH2
Hydrogen Cyanide (HCN)	EHN
Hydrogen Sulphide (H2S)	EHS
Nitrogen Dioxide (NO2)	END
Nitric Oxide (NO)	ENO
Oxygen (O2)	OO2
Ozone (O3)	EO3
Sulphur Dioxide (SO2)	ESO
Refrigerants R12	SR0
Refrigerants R22	SR1
Refrigerants R11, R134A, R507	SR2

OPTIONS

Duct Sampling Probe	D
Local Digital Display	N
Relay	R
Splash Guard (Watertight enclosure only)	S
Watertight Polycarbonate Enclosure	W

SPECIFICATIONS

BACnet protocol via MS/TP EIA-485 LAN
 ANSI/ASHRAE Standard
 BACnet communication protocol 135-2004
 On board dipswitch to set MAC address 1 to 127
 Baud rate jumper selectable
 - 9600, 19200, 38400, 76800 bps
 Supported objects
 - Device - Analog transmitter
 - Analog Input - gas sensor of analog transmitter
 - Notification Class - alarm / event notification

ENCLOSURES

Standard	General Purpose PVC
Size	4.5" x 6.1" x 2.6" 114 mm x 156 mm x 65 mm
Weight	9 ounces 148 grams
Optional	Watertight Polycarbonate
Size	4.9" x 4.9" x 2.6" 125 mm x 125 mm x 65 mm
Weight	9 ounces 148 grams

POWER REQUIREMENT

12 to 30 VAC or VDC if no analog output

OUTPUTS

Available 4 - 20 mA or 0 - 10 VDC signal, jumper selectable

WIRING

Power - 2 conductor
Data - shielded twisted pair, low capacitance

FUSE

Automatic resetting thermal

OPERATING TEMPERATURE

-20 to 40 degrees C sensor dependant
-5 to 104 degrees F sensor dependant

HUMIDITY

15 to 95% RH non condensing sensor dependant



HAZARDOUS GAS DETECTION

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