

PET BACnet® Transmitter



Dual sensor
with optional LED display

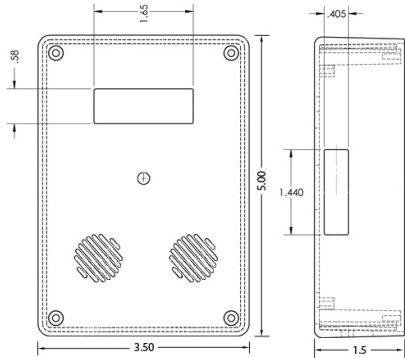
PET BACnet® digital transmitter is a "Parkade Emissions Transmitter" that communicates via BACnet® protocol MS / TP. It is available with one or two electrochemical sensors or solid-state sensors and temperature sensor, enclosed in a general purpose ABS enclosure.

Featuring thermal resetting fuse, tri-color LED indicator for power and alarm, and an optional 4-digit LED display.

Includes new sensor CEF (Calibration Extending Firmware) that takes into account the aging of the sensors so that less frequent calibrations are acceptable in non-critical applications.

Calibration and maintenance procedures are easily performed in the field without requiring access to the controller.

TECHNICAL DRAWING



SAMPLE ENGINEERING SPECIFICATIONS

Coming soon...

KEY FEATURES

- » MS / TP BACnet® communication
- » RoHS compliant circuit boards
- » Thermal resetting fuse
- » Tri-color LED light indicator
- » Economical
- » Easy maintenance
- » Single or dual gas sensor
- » Includes temperature sensor
- » BTL certified

APPLICATIONS

- » Parking Garages
- » Repair Shops
- » Commercial HVAC Buildings
- » Light Industrial Plants
- » Laboratories
- » Schools / Educational Institutions
- » ... and many more

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TECHNICAL SPECIFICATIONS

GAS TYPE

Ammonia (NH ₃)	EAM
Carbon Monoxide (CO)	TCO
Combustible Gases (solid state)	SCB
Ethylene (C ₂ H ₄)	EC4
Formaldehyde (CH ₂ O)	EFO
Hydrogen (H ₂)	EH2
Methane (CH ₄)	SCB
Nitrogen Dioxide (NO ₂)	END
Nitric Oxide (NO)	ENO
Oxygen (O ₂)	002
Propane (C ₃ H ₈)	SCB
Refrigerants (R12, R22, R134A, R401A, R402A, R404A, R407C, R410A, R422A, R422D, R438A, R507)	SR2
Sulphur Dioxide (SO ₂)	ESO
TVOCs (solid state)	SOS

MECHANICAL

Enclosure	General Purpose ABS
Weight	284 g (10 oz)
Size	5.0" x 3.5" x 1.5" (127 mm x 89 mm x 38 mm)

ELECTRICAL

Power Requirement	24 VDC
Current Draw	30 mA; 90 mA (with display)
Outputs	BACnet® MS / TP up to 76,800 bps MAC address 0-127 DIP switch settable
Wiring	4-conductor shielded network wiring (daisy-chained)
Fuse	Automatic resetting thermal

ENVIRONMENTAL (sensor dependant)

Operating Temperature	Sensor dependant
Humidity	Sensor dependant

CERTIFICATION

BTL	Certified
CE & C-Tick	Pending

PRODUCT CODES

SINGLE CHANNEL MODEL

Ammonia (NH ₃), 0 - 500 ppm	PET-EAM
Carbon monoxide (CO), 0 - 200 ppm	PET-TCO
Combustible gases (solid state), 0 - 50% LEL	PET-SCB
Ethylene (C ₂ H ₄), 0 - 2,000 ppm	PET-EC4
Formaldehyde (CH ₂ O), 0 - 10 ppm	PET-EFO
Hydrogen (H ₂), 0 - 2,000 ppm	PET-EH2
Methane (CH ₄), 0 - 50% LEL	PET-SCB
Nitrogen dioxide (NO ₂), 0 - 10 ppm	PET-END
Nitric oxide (NO), 0 - 100 ppm	PET-ENO
Oxygen (O ₂), 0 - 25% volume	PET-002
Propane (C ₃ H ₈), 0 - 50% LEL	PET-SCB
Refrigerants (R12, R22, R134A, R401A, R402A, R404A, R407C, R410A, R422A, R422D, R438A, R507), 0 - 2,000 ppm	PET-SR2
Sulphur Dioxide (SO ₂), 0 - 20 ppm	PET-ESO
TVOCs (solid state), 0 - 500 ppm	PET-SOS

DUAL CHANNEL MODEL

(Choose an electrochemical sensor above & add second electrochemical sensor below)

Nitrogen dioxide (NO ₂), 0 - 10 ppm	END
Nitric oxide (NO), 0 - 100 ppm	ENO
Oxygen (O ₂), 0 - 25% volume	002
Sulphur Dioxide (SO ₂), 0 - 20 ppm	ESO

OPTIONS (to be added to the end of the product code)

LED digital display	N
Remote housing <i>(solid state sensor only)</i>	R
4 - 20 mA analog input <i>(solid state sensor only)</i>	A
Water / dust tight enclosure	W
Spash guard <i>(for watertight enclosure only)</i>	S

ACCESSORIES

Calibration kit, 15 L or 17 L cylinders, 0.5 LPM flow regulator	CET-8000-CK1
Calibration kit, 34 L, 58 L, 75 L, or 103 L cylinders, 0.5 LPM flow regulator	CET-7150-CK1
Metal protective guard, small, 16 gauge, galvanized metal guards for transmitters	SCS-8000-RSG

