



Series
GSTA

Carbon Monoxide/Nitrogen Dioxide Gas Transmitter

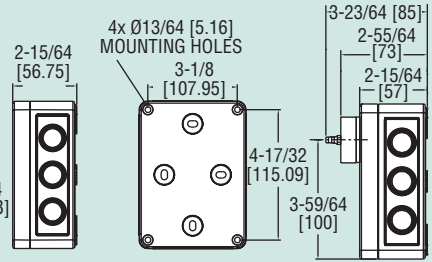
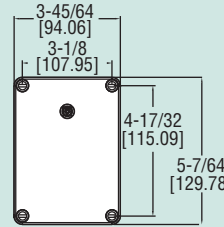
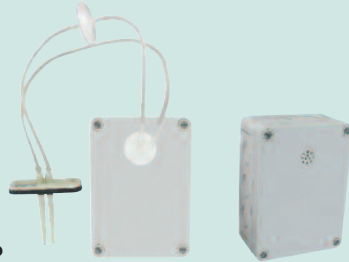
High Accuracy Electrochemical Sensor, Universal Output



AIR QUALITY



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The Series GSTA Carbon Monoxide/Nitrogen Dioxide Transmitters monitor the gas concentration in underground parking garages and loading docks. Carbon monoxide is commonly used to measure the exhaust of gasoline engines, while nitrogen dioxide is used for diesel engines. Field selectable current and voltage outputs allow the transmitter to be used with almost any building management controller. For carbon monoxide units, the user can select the output range to be from 0 to 50 ppm up to 0 to 500 ppm. Nitrogen dioxide units come with a standard 0 to 10 ppm range. The output can be inverted to read 20 to 4 mA or 10 (5) to 0 VDC using internal dip switches.

To maximize the accuracy of the Series GSTA, the sensor can be field-calibrated using the A-449 remote LCD display. When the sensor reaches the end of its life, the display will indicate that the sensor needs to be replaced.

ACCESSORIES



A-449, Remote LCD Display



A-505, CO Replacement Sensor



A-506, NO₂ Replacement Sensor



A-507, Calibration Adapter

SPECIFICATIONS

Sensor: Field replaceable electrochemical, 4 years typical lifespan. Recommend calibration every 6 months.

Range: CO: selectable 0-50 ppm up to 0-500 ppm; NO₂: 10 ppm.

Output Drift: <5% per year in air.

Coverage Area: 5000 to 7500 sq ft typical.

Accuracy: CO=2% of reading, NO₂=3% of reading at the time of calibration.

Resolution: CO=1 ppm; NO₂ = 0.1 ppm.

Temperature Limits: Ambient: -4 to 122°F (-20 to 50°C); Storage: For best sensor life, 32 to 68°F (0 to 20°C).

Humidity Limits: 15 to 90% RH constant; 0 to 99% RH intermittent.

Response Time: <45 seconds to 90% CO, <25 to 90% NO₂.

Span and Zero Adjustment: Via pushbutton, using optional A-449 display.

Housing: UV resistant glass filled polycarbonate.

Output: Switch selectable 4 to 20 mA (loop powered), 0 to 5 V @ 5 mA, or 0 to 10 V @ 5 mA; Switch selectable 0 to 5 V / 1 to 5 V and 0 to 10 V / 2 to 10 V; Switch selectable normal or reverse output.

Power Supply: Current output=10 to 35 VDC; Voltage output=15 to 35 VDC or 15 to 29 VAC.

Electrical Connection: Removable terminal block, knocks out for conduit fitting.

Calibration: Via pushbuttons using A-449 auxiliary display. Span gas concentration is field selectable.

Weight: 1 lb (.45 kg).

Agency Approval: CE.

Model	Gas Sensed	Mounting
GSTA-C	CO	Wall
GSTA-N	NO ₂	Wall
GSTA-C-D	CO	Duct
GSTA-N-D	NO ₂	Duct

Add optional integral LCD display by adding -LCD to end of model number (Example: GSTA-C-LCD)

Gas Sensing
Transmitters