Dwyer

SERIES GSTA & GSTC

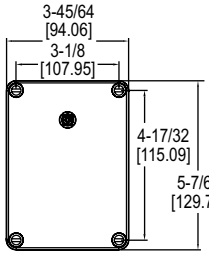
CARBON MONOXIDE/NITROGEN DIOXIDE GAS TRANSMITTERS

High Accuracy Electrochemical Sensor, Universal Output or BACnet or Modbus® Communication Protocol Options

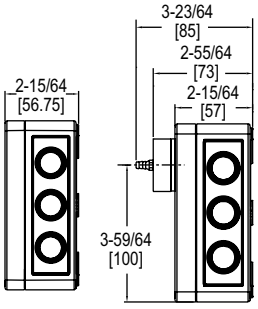
Wall mount with LCD

Wall mount without LCD

Duct mount



Wall mount



Duct mount

The **Series GSTA & GSTC Carbon Monoxide/Nitrogen Dioxide Gas Transmitters** monitor gas concentrations in mechanical rooms, underground parking garages and loading docks. The carbon monoxide transmitter is used to measure the exhaust of gasoline engines, while the nitrogen dioxide transmitter is used for diesel engines. The Series GSTA features field selectable current and voltage outputs while the Series GSTC features BACnet or Modbus® communication protocol, allowing gas sensing solutions that can be used with almost any building management controller.

FEATURES/BENEFITS

- Industrial grade replaceable CO or NO_2 sensors
- Field selectable current or voltage output on GSTA models, and field selectable BACnet or Modbus® communication on GSTC models
- Integral LCD display option
- Service display tool for set-up and calibration of models without a LCD

APPLICATIONS

- Garage or loading dock ventilation
- Mechanical room monitoring

MODEL CHART	
Model	**Description**
GSTA-C	Carbon monoxide transmitter with universal current/voltage outputs
GSTA-N	Nitrogen dioxide transmitter with universal current/voltage outputs
GSTA-C-LCD	Carbon monoxie transmitter with universal current/voltage outputs, LCD display
GSTA-N-LCD	Nitrogen dioxide transmitter with universal current/voltage outputs, LCD display
GSTA-C-D	Carbon monoxide duct mount transmitter with universal current/ voltage outputs
GSTA-N-D	Nitrogen dioxide duct mount transmitter with universal current/ voltage outputs
GSTC-C	Carbon monoxide transmitter with BACnet and Modbus® communication
GSTC-N	Nitrogen dioxide transmitter with BACnet and Modbus® communication
GSTC-C-LCD	Carbon monoxide transmitter with BACnet and Modbus® communication with integral LCD display
GSTC-N-LCD	Nitrogen dioxide transmitter with BACnet and Modbus® communication with integral LCD display

SPECIFICATIONS

Sensor: Field replaceable electrochemical, 4 years typical lifespan.
Range: CO: 0 to 500 PPM, NO_2: 10 PPM.
Output Drift: <5% per year in air.
Coverage Area: 5000 to 7500 sq ft typical.
Accuracy: CO: 2% FS, NO_2: 3% FS, at the time of calibration.
Resolution: CO: 1 PPM; NO_2: 0.1 PPM.
Temperature Limits: -4 to 122°F (-20 to 50°C).
Storage Temperature: 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 s to 90% CO, <25 s to 90% NO_2.
Span and Zero Adjustment: Via push-button, using optional A-449 display. Zero only via BACnet or Modbus® communication protocol.
Housing: UV resistant glass filled polycarbonate.
Output Signals: GSTA: Switch selectable 4-20 mA (loop powered), 0-5 V @ 5 mA, or 0-10 V@ 5 mA; Switch selectable 0-5 V / 1-5 V and 0-10 V / 2-10 V; Switch selectable normal or reverse output; GSTC: BACnet MS/TP, Modbus® RTU, or Modbus® ASCII (switch selectable) communication protocol.
Power Requirements: GSTA: Current output: 10-35 VDC, Voltage output: 15-35 VDC or 15-29 VAC; GSTC: 10-36 VDC or isolated 21.6-33 VAC.
Electrical Connection: Removable terminal block, knock outs for conduit fitting.
Calibration: Via pushbuttons using A-449 auxiliary display. Span gas concentration is field selectable.
Enclosure Rating: IP64.
Weight: 1 lb (0.45 kg).
Agency Approvals: CE.

ACCESSORIES	
Model	**Description**
A-GSTA-SE	Security enclosure
GCK-200CO-2000CO2	Calibration gas
A-449	Remote LCD display
A-505	CO replacement sensor
A-506	NO_2 replacement sensor
A-507	Calibration adapter

A-GSTA-SE

GCK-200CO-2000CO2

A-449

A-505

A-506

A-507

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