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 4 mA to 20 mA.

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.

The Model CMT200 Carbon Monoxide Transmitter provides a field selectable current or voltage output that is proportional to the gas concentration in underground parking garages, vehicle maintenance facilities, or mechanical rooms. A field replaceable, electrochemical sensor provides accurate readings for up to 4 years with proper calibration. Field calibration can be done by using Model GCK-200CO-2000CO2 calibration gas, Model A-507A calibration adapter, and the on board span and zero potentiometers.

### Model CMT200 Specifications

- **Sensor:** Field replaceable electrochemical, 4 year 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 to 1 to 5 V and 0 to 10 V to 1 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, knockouts 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 CMT200 Accessories

- **A-449, Remote LCD Display**
- **A-505, CO Replacement Sensor**
- **A-506, NO₂ Replacement Sensor**
- **A-507, Calibration Adapter**

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

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### Model GSTA Specifications

- **Sensor:** Field replaceable electrochemical, 4 year 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 to 1 to 5 V and 0 to 10 V to 1 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, knockouts 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.

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### Model GSTA Accessories

- **A-449, Remote LCD Display**
- **A-505, CO Replacement Sensor**
- **A-506, NO₂ Replacement Sensor**
- **A-507, Calibration Adapter**

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