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 indicate that the sensor needs to be replaced.

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**

<table>
<thead>
<tr>
<th>Model</th>
<th>Gas Sensed</th>
<th>Mounting</th>
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<tbody>
<tr>
<td>GSTA-C</td>
<td>CO</td>
<td>Wall</td>
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<tr>
<td>GSTA-N</td>
<td>NO₂</td>
<td>Wall</td>
</tr>
<tr>
<td>GSTA-C-D</td>
<td>CO</td>
<td>Duct</td>
</tr>
<tr>
<td>GSTA-N-D</td>
<td>NO₂</td>
<td>Duct</td>
</tr>
</tbody>
</table>

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

**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 (450 g)

**Agency Approval:** CE, RoHS.

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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 GC-200CO-2000CO2 calibration gas, Model A-507A calibration adapter, and on-board span and zero potentiometers.

**ACCESSORIES**

- Model GC-200CO-2000CO2, Calibration Gas
- Model A-507A, Calibration Adapter
- Model A-505A, Replacement CO Sensor

**SPECIFICATIONS**

- **Sensor:** Field replaceable electrochemical, 4 year typical lifespan.
- **Range:** 0 to 200 ppm.
- **Output Drift:** <5% per year in air.
- **Coverage Area:** 5000 to 7500 sq ft typical.
- **Accuracy:** ±2% of reading.
- **Temperature Limits:** Ambient: -4 to 122°F (-20 to 50°C); Storage: For best sensor life, 32 to 68°F (0 to 20°C).
- **Response Time:** <45 seconds to 90% of final value.

**Calibration:** 15 turn span and zero adjustment potentiometers.

**Housing:** UV resistant polycarbonate.

**Output:** Jumper selectable 4 to 20 mA (loop powered) or 0 to 10 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 Requirements:**
- **Current Output:** 15 to 28 VDC/VAC, 0.15 A DC, 0.04 A AC.
- **Voltage Output:** 15 to 35 VDC/VAC, 1.0 A DC, 0.2 A AC.

**Agency Approvals:** CE, RoHS.