

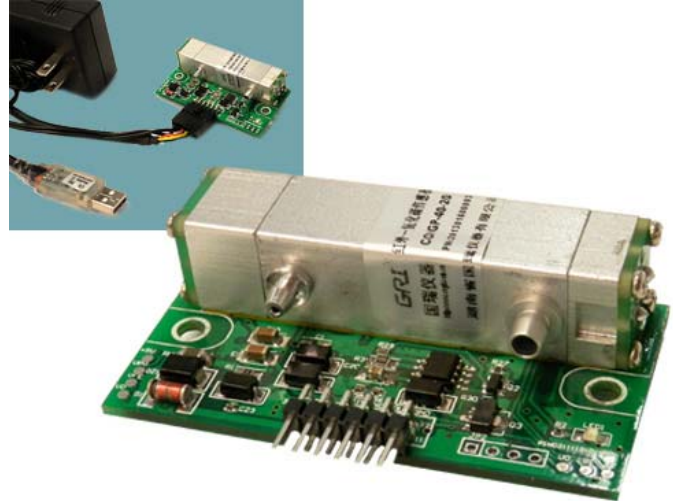
NDIR Carbon Monoxide Gas Sensor

- GS-0001 20% CO Sensor
- CM-0205 20% CO Sensor USB Dev Kit

The GRI infrared CO gas sensor uses non-dispersive infrared (NDIR) detection technology to create an industrial grade sensor that provides low interference from other gases, long-term stability, long life and high accuracy. Suitable for long-term detection, it can be used for online monitoring or industrial process analysis. It is not recommended for safety applications.

This sensor is particularly useful for biogas production facilities that use flue gasses as inputs for algae feedstock, or for industrial chemical processing.

The sensor features inlet and outlet ports for closed-loop monitoring of gas, and requires a vacuum pump for operation. It includes both RS-485 serial (default) or UART communication.



Specifications

- NDIR CO Gas Sensor
- Detection Range 0-20% volume
- Resolution: 0.01% volume
- Detection Precision: $\pm 2\%FS$
- Operation Voltage: 6-12VDC
- Operation Current: 10-120mA
- Output Mode: RS485 (Baud rate 9600)
- Response Time T90: < 30s
- Temperature Range: -20C to 50C
- Humidity Range: 0-95%RH Non-Condensing
- Operating life: > 10 years
- Sensor Size: 65mm*35mm*20mm

