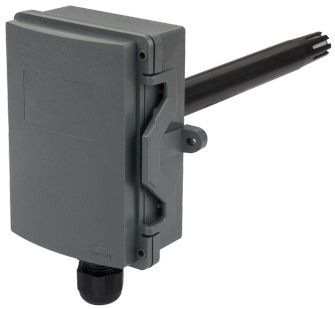
GS-CO2

Duct Mounted CO2 Sensors



Features & Benefits

- Robust sensor enclosure
- Easy installation with LED indication, test button and auto output mode detection (3-wire)
- Pluggable terminal blocks and tool free installation
- Energy saving by ventilating at the optimum CO2 levels

Technical Overview

Using a NDIR (non-dispersive infrared) sensor for measuring CO2 concentrations and utilizing ABC (Automatic Baseline Correction) ensures accurate and maintenance free operation. They are also fitted with a IAQ temperature outputs. A valuable feature of this sensor is, when in 3-wire mode, it automatically detects the controller input type, 4-20mA or 0-10Vdc. This removes the requirement for output jumpers. It also provides on-board LED indication for power up status and set output mode. The terminal blocks are pluggable and allow tool free installation (ferrules required).

Specification

Active outputs	0-10Vdc or 4-20mA (3 wire) self-detecting
Co_2 accuracy	400-2000ppm, ±70ppm ±3%
CO_2 Output ranges	0-2000ppm
Environmental Housing	-30 to +60°C, 0 to 95% RH non-condensing
Environmental Media	-10 to +50°C
Gross Weight (kg)	0.45
Housing Dimensions	125 x 105 x 85mm
Housing Material	PC/GF (Halogen Free Flame Retardant, UV stabilized)
Housing probe	215 x 20mm dia.
Optional passive output	PTC/NTC Element Any Sontay resistive type
Power Supply	24Vac/dc±10%
Temperature Output range	-20 to +50°C
Weight	250g

Technical Specification

Optional passive output	PTC/NTC Element Any Sontay resistive type
Housing Dimensions	125 x 105 x 85mm
CO_2 Output ranges	0-2000ppm

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Note: for all gas sensors, None of our devices are approved for use in life safety applications. This document is uncontrolled if printed. Generated on 22/07/25

Weight	250g
Housing Material	PC/GF (Halogen Free Flame Retardant, UV stabilized)
Active outputs	0-10Vdc or 4-20mA (3 wire) self-detecting
Temperature Output range	-20 to +50°C
Power Supply	24Vac/dc±10%
Co_2 accuracy	400-2000ppm, ±70ppm ±3%

Related Product Codes

GS-CO2-AQ-D	Duct Mount CO2 & AQ Sensor
GS-CO2-D	Duct Mounted CO2 and T Sensor 2000ppm
GS-CO2-RHT-D	Duct Mounted CO2, T and RH Sensor 2000ppm

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