



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 $\pm 70\text{ppm} \pm 3\%$
CO ₂ Output ranges	0-2000ppm
Environmental Housing	0 to 50°C, 0 to 90% RH non-condensing
Gross Weight (kg)	0.12
Housing Dimensions	115 x 85 x 30mm
Housing Material	ABS (flame retardant)
Optional passive output	PTC/NTC Element Any Sontay resistive type
Optional RHT	0 to 100%RH
Override optional passive outputs	VFC
Power Supply	24Vac/dc $\pm 10\%$
Protection	IP30
Setpoint optional passive outputs	11-1 Ω /0-10 Ω linear
Temperature Output range	0 to 40°C
Weight	200g

Technical Specification

Optional passive output	PTC/NTC Element Any Sontay resistive type
Housing Dimensions	115 x 85 x 30mm

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CO₂ Output ranges	0-2000ppm
Weight	200g
Housing Material	ABS (flame retardant)
Active outputs	0-10Vdc or 4-20mA (3-wire) self detecting
Temperature Output range	0 to 40°C
Power Supply	24Vac/dc ±10%
Co₂ accuracy	400-2000ppm ±70ppm±3%

Related Product Codes

GS-CO2-AQ-S	Space Mounted CO2, Air Quality and Temp Sensor
GS-CO2-RHT-S	Space Mounted CO2, T and RH Sensor 2000ppm
GS-CO2-S	Space Mounted CO2 and T Sensor 2000ppm
-5V	Space Mounted CO2 and T Sensor 2000ppm 5V
-BLK	Space Mounted CO2 and T Sensor 2000ppm Black
-HR	Space Mounted CO2 and T Sensor 5000ppm
-LCD	Space Mounted CO2 and T Sensor 0-2000ppm LCD
-LED	Space Mounted CO2 and T Sensor 2000ppm LED
-MS	Space mounted CO ₂ and T sensor 0-2000ppm
-SP	Space Mounted CO2, T Sensor 2000ppm SP
-T	Space mounted CO ₂ and T sensor 0-2000ppm