



Features & Benefits

- Auto-detection 0-10Vdc or 4-20mA output, 3-wire only
- Fully configurable LCD Display
- Resistive temperature output option
- No jumpers or DIP-switches to select output type
- CO2 self-calibration over full sensor lifetime achieved by ABC logic
- Traffic Light LED indication option

Technical Overview

The GS-CO2-x-UN range offers a cost-effective single output for CO2 measurement. These can also include a combination of familiar passive options such as temperature, set point adjustment, momentary switch and fan speed, plus an LCD display. A unique feature of the sensor is its ability to automatically detect what sort of controller input it is connected to, 4-20mA or 0-10Vdc, removing the requirement for output jumpers which can be inadvertently set incorrectly. Just connect it to the controller input and it does the rest. PCB LED indication of which output type is in operation is provided, with diagnostic LED patterns for determining faults.

Specification

Active Outputs	0-10Vdc or 4-20mA (3-wire) self-detecting
CO₂ accuracy	400 to 2000ppm, $\pm 25\text{ppm}$ $\pm 3\%$ of CO ₂
Environmental Housing	0 to 50°C, 0 to 95% 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
Output range	0 to 2000ppm
Override optional passive outputs	VFC
Power supply	24Vac/dc $\pm 10\%$
Protection	IP30
Setpoint optional passive outputs	1-11k Ω
Weight	200g

Technical Specification

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

Weight	200g
Housing material	ABS (flame retardant)
Active Outputs	0-10Vdc or 4-20mA (3-wire) self-detecting
Output range	0 to 2000ppm
Power supply	24Vac/dc $\pm 10\%$
CO₂ accuracy	400 to 2000ppm, $\pm 25\text{ppm}$ $\pm 3\%$ of CO ₂

Related Product Codes

GS-CO2-S-UN	Space CO2 Single Analogue Out
-T	Space CO2 Single Analogue Out
-BLK	Space CO2 Single Analogue Out
-LCD	Space Mounted CO2 Sensor 0-2000ppm LCD
-LED	Space Mounted CO2 Sensor 0-2000ppm LED
-MS	Space Mounted CO2 Sensor 0-2000ppm MS
-SP	Space Mounted CO2 Sensor 0-2000ppm SP