



## 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

|                                          |                                                                 |
|------------------------------------------|-----------------------------------------------------------------|
| <b>Active Outputs</b>                    | 0-10Vdc or 4-20mA (3-wire) self-detecting                       |
| <b>CO<sub>2</sub> accuracy</b>           | 400 to 2000ppm, $\pm 25\text{ppm}$ $\pm 3\%$ of CO <sub>2</sub> |
| <b>Environmental Housing</b>             | 0 to 50°C, 0 to 95% RH non-condensing                           |
| <b>Gross Weight (kg)</b>                 | 0.15                                                            |
| <b>Housing dimensions</b>                | 115 x 85 x 30mm                                                 |
| <b>Housing material</b>                  | ABS (flame retardant)                                           |
| <b>Optional passive output</b>           | PTC/NTC Element Any Sontay resistive type                       |
| <b>Output range</b>                      | 0 to 2000ppm                                                    |
| <b>Override optional passive outputs</b> | VFC                                                             |
| <b>Power supply</b>                      | 24Vac/dc $\pm 10\%$                                             |
| <b>Protection</b>                        | IP30                                                            |
| <b>Setpoint optional passive outputs</b> | 1-11k $\Omega$                                                  |
| <b>Weight</b>                            | 200g                                                            |

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### 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  |