Product Data Sheet

P/N : GS+4CO

GS+4CO

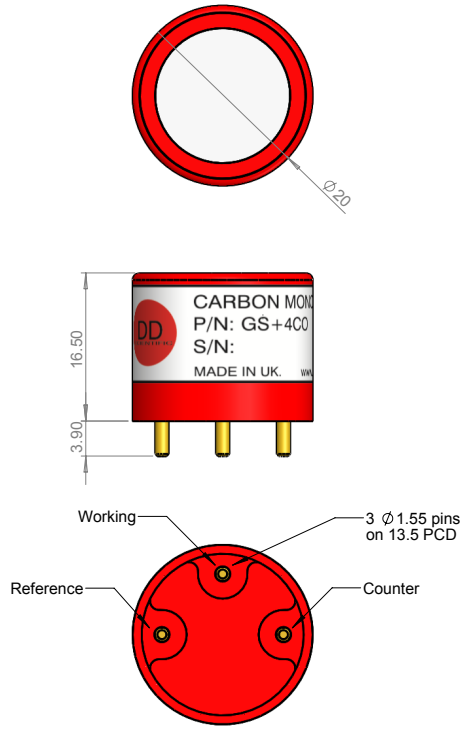
Carbon Monoxide Sensor (CO)

Introduction The GS+4CO is a premium high quality robust CO sensor, ideal for use in portable and fixed gas detectors.

Key Features: high stability, fast response and recovery, robust environment performance.

Performance Characteristics	
Output signal	70 ± 20 nA / ppm
Typical Baseline Range (pure air)	±2 ppm CO equivalent
Filter Capacity	> 20000 ppm hours
T90 Response Time	< 30 seconds
Measurement Range	0 - 2000 ppm
Maximum Overload	5000 ppm
Linearity	Linear up to 2000 ppm
Repeatability	< ±2% CO equivalent
Recommended Load Resistor	10 ohms
Resolution (Electronics dependent)	< 0.5 ppm typical

Environmental Details	
Temperature Range Continuous	-30ºC to +50ºC
Pressure Range	800 to 1200 mbar
Operating Humidity Range	15% to 90% RH



Product Dimensions
All dimensions in mm
All tolerances ±0.15 mm

Important Note:
All performance data is based on conditions at 20ºC, 50%RH and 1 atm, using DD Scientific recommended circuitry.

Sensor performance is temperature dependent, and please contact DD Scientific for temperature performance other than 20ºC.

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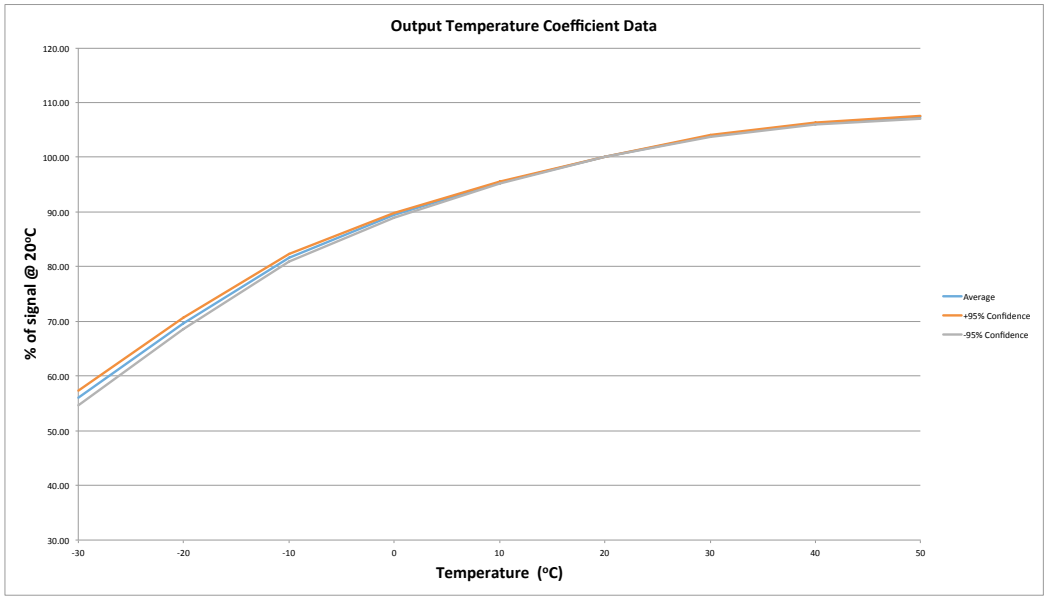
Lifetime Details	
Long Term Output Drift	< 5% per annum
Recommended Storage Temp	0°C to 20°C
Expected Operating Life	> 24 months in air
Standard Warranty	12 months from date of dispatch

Cross - Sensitivity Data

GAS	CONC.	GS+4CO
Hydrogen Sulphide	50 ppm	0 ppm
Sulphur dioxide	20 ppm	0 ppm
Hydrogen	100 ppm	<30 ppm
Nitric Oxide	50 ppm	<10 ppm
Ethanol	200 ppm	<1 ppm
Ammonia	50 ppm	0 ppm
Chlorine	15 ppm	<1 ppm
Ethylene	100 ppm	96 ppm
Acetylene	100 ppm	90 ppm



Poisoning:
DD Scientific sensors are designed to operate in a wide range of harsh environments and conditions. However, it is important that exposure to high concentrations of solvent vapors is avoided, both during storage, fitting into instrument and operation.
When using sensors on printed circuit boards (PCB's), degreasing agents should be used prior to the sensor being fitted.

Please note gluing or soldering direct to the pins of DD Scientific Ltd gas sensors will void warranty, please use PCB sockets when

Intrinsic Safety Data	
Maximum at 2000 ppm	0.3 mA
Maximum o/c Voltage	1.3 V
Maximum s/c Current	<1.0 A

GS+4CO meets sensor requirements outlined in:
AQ6205-2006 and **EN45544**

Website: www.ddscientific.com Email: info@ddscientific.com