Product Data Sheet

P/N : GS+4COF

GS+4COF
Carbon Monoxide Sensor (CO)

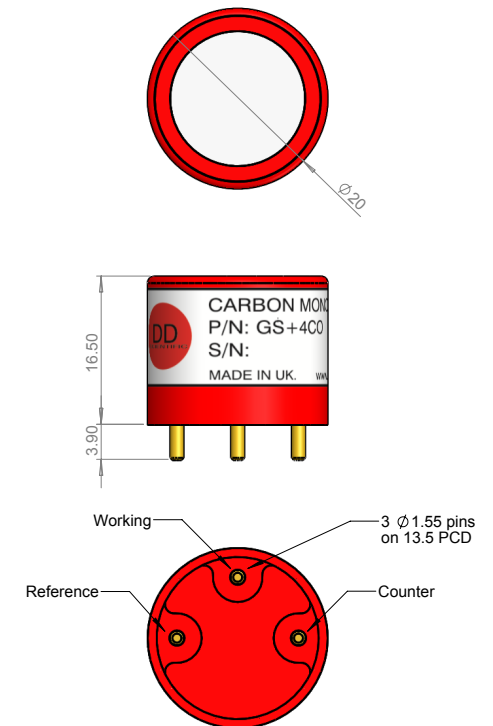| Introduction	The GS+4COF is a premium high quality robust CO sensor, ideal for use in combustion gas detectors.
Key Features:	High stability, robust compact design, robust environment performance, onboard NO filter

Performance Characteristics	
Output signal	60 ± 20 nA / ppm
Typical Baseline Range (pure air)	<±2 ppm CO equivalent
T90 Response Time	< 20 seconds
Measurement Range	0 - 5000 ppm
Maximum Overload	10000 ppm
Linearity	Linear
Repeatability	< ±1% CO equivalent
Recommended Load Resistor	10 ohms
Resolution (Electronics dependent)	< 1 ppm typical

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

Important Note:
All performance data is based on conditions at 20°C, 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 20°C.


Ø20

CARBON MON
P/N: GS+4CO
S/N:
MADE IN UK.

16.50

3.90

Working

3 Ø1.55 pins
on 13.5 PCD

Reference

Counter

Product Dimensions
All dimensions in mm
All tolerances ±0.15 mm

DD Scientific

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

Lifetime Details

Long Term Output Drift	< 5% per annum
Recommended Storage Temp	0ºC to 20ºC
Expected Operating Life	> 48 months in air
Standard Warranty	36 months from date of dispatch
Filter Life	>24,000 ppm hours vs. NO

Cross - Sensitivity Data

GAS	CONC.	GS+4COF
Hydrogen Sulphide	25 ppm	±0.2ppm
Sulphur dioxide	5 ppm	±0.2ppm
Nitrogen Dioxide	5 ppm	-0.5 to +1ppm
Nitric Oxide	50 ppm	<3ppm
Hydrogen	100 ppm	<25 ppm
Chlorine	1 ppm	0 ppm
Ethylene	100 ppm	<90 ppm

Cross interference information is for guidance only.

Output Temperature Coefficient Data
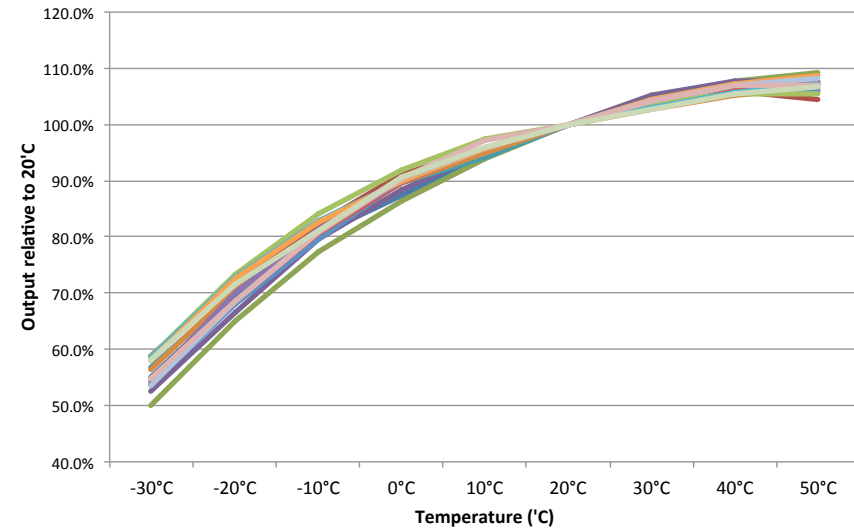
Poisoning: DD Scientific sensors are designed to operate in a wide range of harsh environments and conditions. However, it is important that exposure to high concentrations of solvent vapours is avoided, both during storage, fitting into instrument and operation.
When using sensors on printed circuit 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