

# Product Data Sheet

## GS+4CO

### Industrial Carbon Monoxide Sensor

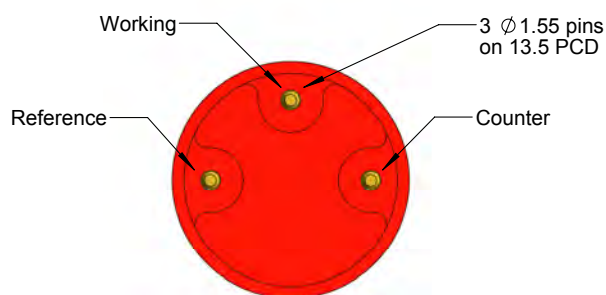
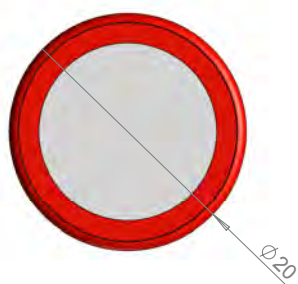
Ideal application:  
portable instruments  
fixed gas detectors

#### Key Features:

- ★Fast response and recovery time
- ★High stability
- ★Robust at humidity and temperature extremes
- ★Meets sensor requirements outlined in:  
AQ6205-2006 and EN45544

#### Product Dimensions

All dimensions in mm



#### 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.

#### 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

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

#### Lifetime

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

#### Intrinsic Safety Data

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