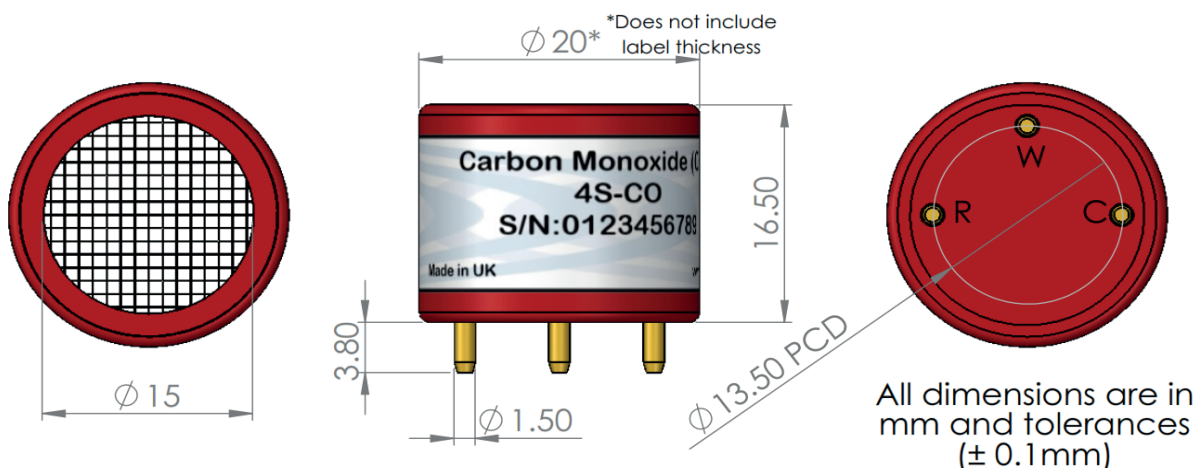




# Carbon Monoxide Sensor 4S-CO



## Performance Details

Sensitivity	$70 \pm 15$ nA/ppm
Filter Capacity	> 20000 ppm hours
Detection Range	0 to 2000 ppm
Baseline Offset (Pure Air)	< $\pm 2$ ppm CO equivalent
Response Time (T90)	< 15 s (typically 12 s) at 20°C
Recovery Time	< 20 s (typically 15 s) at 20°C
Linearity	Up to 2000 ppm
Repeatability	< $\pm 2\%$ CO equivalent

## Environmental Details

Operating Temperature Range	-40°C to +55°C
Operating Pressure Range	800 to 1200 mbar
Operating Humidity Range	15% RH to 95% RH

## Lifetime Details

Output Drift	< 5% ppm per annum
Operating Life	> 24 months in air
Warranty	12 months from date of despatch
Recommended Storage Temperature	0°C to +20°C in sealed container

## Electrical Details

Resolution*	< 1 ppm typical
Recommended Load Resistor	10 $\Omega$

\*Electronics dependant

### IMPORTANT NOTE:

Connection should be made via recommended mating parts only. Altering the connection type e.g. soldering, gluing or altering the terminal pins in any way might void the warranty of the product.

All performance data is based on conditions at 20°C, 50% RH and 1 atm, using Global Sensing Technology recommended circuitry.

As sensor performance is affected by temperature, if you require additional temperature data other than 20°C, please do not hesitate to contact us.

## Intrinsic Safety Data

Maximum at 2000 ppm	0.2 mA
Maximum o/c Voltage	1.3 V
Maximum s/c Current	< 1.0 A