

Product Datasheet: Carbon Monoxide Sensor

Range	0 - 500
Overload	500 ppm
Filtering	Carbon
Expected life	5 years in non-corrosive atmosphere
Output signal	Typically 35 nA/ ppm (2 mm aperture)
Temperature range	-20 to +50C (75C version under development)
Pressure range	Withstands 10 atmospheres pressure
Pressure coefficient	TBA
T90 response time	60 seconds at 20°C
Relative humidity range	15% - 90% non-condensing
Typical baseline offset (20°C)	1 ppm CO equivalent
Typical baseline offset (40°C)	4 ppm CO equivalent
Typical long term output drift	< 10% per year, < 25% over 5 years
Interfacing requirements	Refer to applications notes
Repeatability	< +/- 2%
Output linearity	Linear to 500 ppm
Temperature coefficient of response	Refer to applications notes
Position sensitivity	None
Storage life	Two years at 20°C
Warranty	Two years in non-corrosive atmosphere
Weight	10g
Dimensions	40mm x 35mm x 9.5mm

CROSS SENSITIVITY DATA (duration of exposure 30 minutes)		
Chemical	Exposure	CO equivalent
Isopropanol	100ppm	4
H ₂	100ppm	75
H ₂ S	50ppm	10
SO ₂	100 ppm	1

Gases and vapours to which the sensor is not inherently sensitive include: saturated and aromatic hydrocarbons, acetone, ammonia, nitrogen, oxygen, chlorine, water vapour, and carbon dioxide.



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