

	Response time	t90 (s) from zero to 2,000ppm CO		< 75
	Zero current	ppm equivalent in zero air		< ± 20
	Resolution	RMS noise (ppm equivalent)		< 5
	Range	ppm CO limit of performance warranty		10,000
	Linearity	ppm error at full scale, linear at zero and 2,000ppm CO		< 500
	Overgas limit	maximum ppm for stable response to gas pulse		100,000
Lifetime	Zero drift	ppm equivalent change/year in lab air		< 1
	Sensitivity drift	% change/year in lab air, monthly test		< 4
	Operating life	months until 80% original signal (24-month warranted)		> 24
Environmental	Sensitivity @ -20°C	% (output @ -20°C/output @ 20°C) @ 400ppm CO		70 to 90
	Sensitivity @ 50°C	% (output @ 50°C/output @ 20°C) @ 400ppm CO		102 to 112
	Zero @ -20°C	ppm equivalent change from 20°C		< ± 3
	Zero @ 50°C	ppm equivalent change from 20°C		< ± 5
Cross Sensitivity	Filter capacity	ppm·hrs	H_2S	4,000,000
	Filter capacity	ppm·hrs	NO_2	10,000,000
	Filter capacity	ppm·hrs	NO	2,000,000
	Filter capacity	ppm·hrs	SO_2	< 0.1
	H ₂ S sensitivity	% measured gas @ 20ppm	H_2S	< 0.1
	NO ₂ sensitivity	% measured gas @ 10ppm	NO_2	< 0.1
	NO sensitivity	% measured gas @ 50ppm	NO	< 0.1
	SO ₂ sensitivity	% measured gas @ 20ppm	SO_2	< 0.1
	Cl ₂ sensitivity	% measured gas @ 10ppm	CI_2	< 0.1
	H ₂ sensitivity	% measured gas @ 400ppm	H_2 at 20°C	< 45
	H ₂ sensitivity	% measured gas @ 400ppm	C_2H_4	< 2
	NH ₃ sensitivity	% measured gas @ 20ppm	NH_3	< 0.1
Key Specifications	Temperature range Pressure range Humidity range Storage period Load resistor Weight	°C kPa % rh continuous months @ 3 to 20°C (stored in sec Ω (recommended) g	iled pot)	-30 to 50 80 to 120 15 to 90 6 10 to 47 < 8

For further information on the performance of this sensor, on other sensors in the range or any other subject, please contact Alphasense Ltd. or visit our website at "www.alphasense.com".

Figure 1 Sensitivity Temperature Dependence

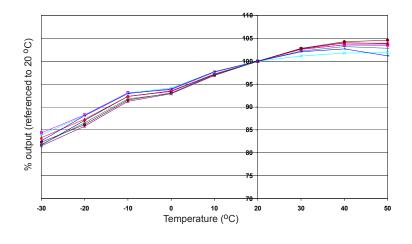


Figure 1 shows the variation in sensitivity caused by changes in temperature.

This data is taken from a typical batch of sensors.

Figure 2 Zero Temperature Dependence

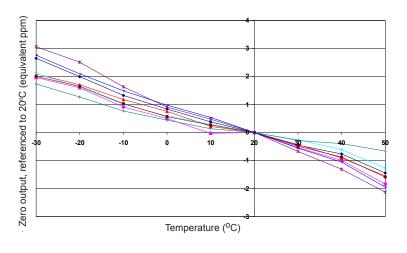


Figure 2 shows the variation in zero output caused by changes in temperature, expressed as ppm gas equivalent, referenced to zero at 20°C.

This data is taken from a typical batch of sensors and shows repeatability.



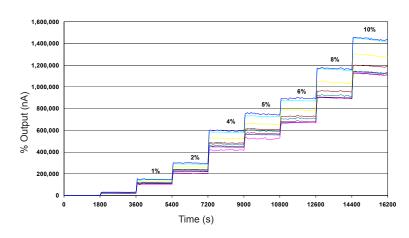


Figure 3 shows the non-linear response to step changes in CO concentrations from 10% CO to 0% CO.

This data is taken from a typical batch of sensors and shows repeatability.

At the end of the product's life, do not dispose of any electronic sensor, component or instrument in the domestic waste, but contact the instrument manufacturer, Alphasense or its distributor for disposal instructions. NOTE: all sensors are tested at ambient environmental conditions unless otherwise stated. As applications of use are outside our control, the information provided is given without legal responsibility. Customers should test under their own conditions, to ensure that the sensors are suitable for their own requirements.

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