Ø20.2 including label

Ø10		-	2 including label	
Top View Dimensions are in millimetres (± 0.1 mm) unlet		18 Ø1.5	ARBON MONC D-CF 12345 Side View	0.7 recess
Performance	Sensitivity Response time Zero current Resolution Range Linearity Overgas limit	nA/ppm in 400ppm CO t90 (s) from zero to 400ppm CO ppm equivalent in zero air RMS noise (ppm equivalent) ppm CO limit of performance wa ppm CO error at full scale, linea maximum ppm for stable respon	arranty r at zero, 1000ppm CO	55 to 90 < 30 < - 4 to + 2 < 0.5 5,000 < ± 30 20,000
Lifetime	Zero drift Sensitivity drift Operating life	ppm equivalent change/year in % change/year in lab air, month months until 80% original signal	y test	< 0.2 < 8 > 24
Environmental	Sensitivity @ -20°C Sensitivity @ 50°C Zero @ -20°C Zero @ 50°C	% (output @ -20°C/output @ 20°C) @ 400ppm CO % (output @ 50°C/output @ 20°C) @ 400ppm CO ppm equivalent change from 20°C ppm equivalent change from 20°C		63 to 85 102 to 115 < ± 3 < ± 8
Cross Sensitivity	Filter capacity Filter capacity Filter capacity Filter capacity H ₂ S sensitivity NO ₂ sensitivity Cl ₂ sensitivity NO sensitivity SO ₂ sensitivity H ₂ sensitivity H ₂ sensitivity NH ₃ sensitivity	ppm·hrs ppm·hrs ppm·hrs ppm·hrs % measured gas @ 20ppm % measured gas @ 10ppm % measured gas @ 10ppm % measured gas @ 50ppm % measured gas @ 20ppm % measured gas @ 400ppm % measured gas @ 20ppm % measured gas @ 20ppm	H_2S NO_2 NO SO_2 H_2S NO_2 CI_2 NO SO_2 H_2 at 20°C C_2H_4 NH_3	250,000 600,000 400,000 300,000 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 2.1 < 45 < 2 < 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 sea Ω (recommended) g	ed pot)	-30 to 50 80 to 120 15 to 90 6 10 to 47 < 8

CO-CF Carbon Monoxide Sensor

Figure 1 Sensitivity Temperature Dependence

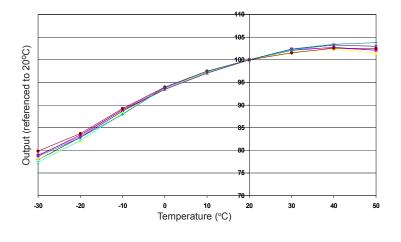


Figure 1 shows the variation in sensitivity caused by changes in temperature.

This data is taken from a typical batch of sensors.

Figure 2 Zero Temperature Dependence

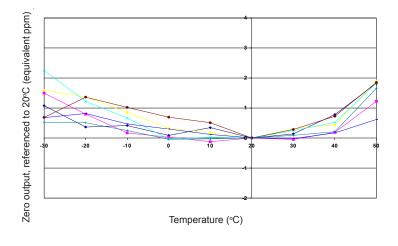


Figure 2 shows the variation in zero output caused by changes in temperature, expressed as ppm gas equivalent, referenced to zero at 20°C.

This data is taken from a typical batch of sensors.



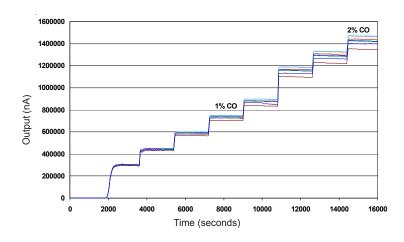


Figure 3 shows the excellent response to step changes in CO concentrations from zero to 2% CO by volume. This data is taken from a typical batch of sensors.

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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