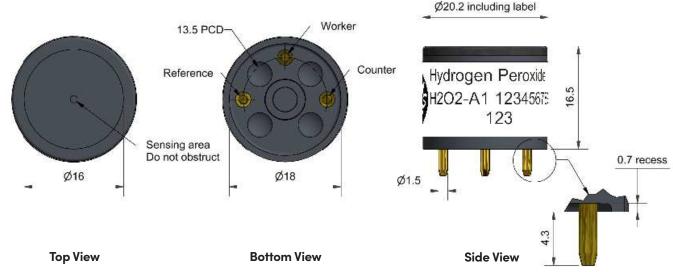


H2O2-A1 Hydrogen Peroxide Sensor



Dimensions are in millimetres (± 0.1 mm).

Sensitivity Response time Zero current Resolution Range Linearity Overgas limit	ppm error at full scale, linear at	zero, 400ppm CO	50 to 90 < 25 -4 to +3 < 0.5 2,000 +15 to + 25 5,000
Zero drift Sensitivity drift Operating life	ppm equivalent change/year in lab air % change/year in lab air, monthly test months until 80% original signal (24-month warranted)		< 0.2 < 8 > 24
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		70 to 88 102 to 115 < ± 3 < ± 8
H ₂ S sensitivity NO ₂ sensitivity Cl ₂ sensitivity NO sensitivity SO ₂ sensitivity H ₂ sensitivity C ₂ H ₄ sensitivity NH ₃ sensitivity	% measured gas @ 20ppm % measured gas @ 10ppm % measured gas @ 10ppm % measured gas @ 50ppm % measured gas @ 20ppm % measured gas @ 400ppm % measured gas @ 400ppm % measured gas @ 20ppm	H_2S NO_2 CI_2 NO SO_2 H_2 at 20°C C_2H_4 NH_3	< 350 < -20 < 60 < 30 < 35 < 85 < 150 < 0.1
Temperature range Pressure range Humidity range Storage period Load resistor Weight	°C kPa % rh continuous months @ 3 to 20°C (stored in seal Ω (recommended) g	ed pot)	-30 to 50 80 to 120 15 to 90 6 10 to 47 < 6
	Response time Zero current Resolution Range Linearity Overgas limit Zero drift Sensitivity drift Operating life Sensitivity @ -20°C Sensitivity @ 50°C Zero @ -20°C Zero @ 50°C H ₂ S sensitivity NO ₂ sensitivity NO ₂ sensitivity NO sensitivity SO ₂ sensitivity H ₂ sensitivity H ₂ sensitivity H ₃ sensitivity Temperature range Pressure range Humidity range Storage period Load resistor	Response time Zero current Resolution Range Linearity Overgas limit Sensitivity drift Operating life Sensitivity @ -20°C Zero @ -20°C Zero @ 50°C Zero @ 50°C H ₂ S sensitivity NO sensitivity NO sensitivity Rosensitivity R	Response time Zero current Resolution Range Linearity Dym equivalent in zero air Resolution Range Linearity Dym error at full scale, linear at zero, 400ppm CO Dvergas limit Zero drift Sensitivity drift Derating life Sensitivity @ -20°C Sensitivity @ 50°C Zero @ -20°C Zero @ 50°C Zero @ 50°C H₂S sensitivity Reasured gas @ 20ppm Rys Rosensitivity Reasured gas @ 10ppm Rosensitivity Reasured gas @ 10ppm Rosensitivity Reasured gas @ 10ppm Rosensitivity Reasured gas @ 20ppm Rosensitivity Reasured gas @ 20ppm Rosensitivity Reasured gas @ 20ppm Rosensitivity Reasured gas @ 10ppm Rosensitivity Reasured gas @ 10ppm Rosensitivity Reasured gas @ 20ppm Rosensitivity Reasured gas @ 400ppm Rosensitivity Rosensitivity Reasured gas @ 400ppm Rosensitivity Rose



Figure 1 Sensitivity Temperature Dependence

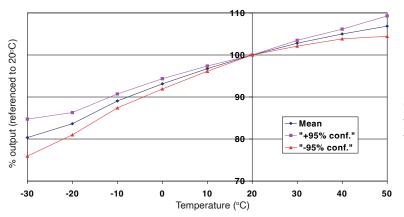


Figure 1 shows the variation in sensitivity caused by changes in temperature.

This data is taken from a typical batch of sensors. The mean and ±95% confidence intervals are shown.

Figure 2 Zero Temperature Dependence

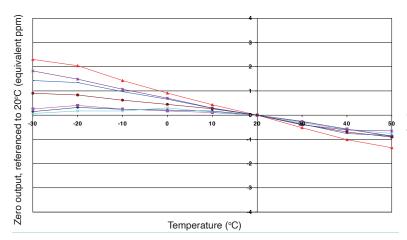


Figure 2 shows the variation in zero output caused by changes in temperature, expressed as ppm gas equivalent, referenced to zero at 20°C.

This data is taken from a typical batch of sensors.

Figure 3 Response to Exposure to 2% CO

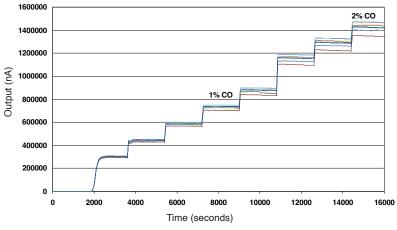


Figure 3 shows the excellent response to step changes in CO concentrations from zero to 2% CO by volume.

This data is taken from a typical batch of sensors.

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