H2S-A1 Hydrogen Sulfide Sensor



< 1.5

< 0.1

-30 to 50

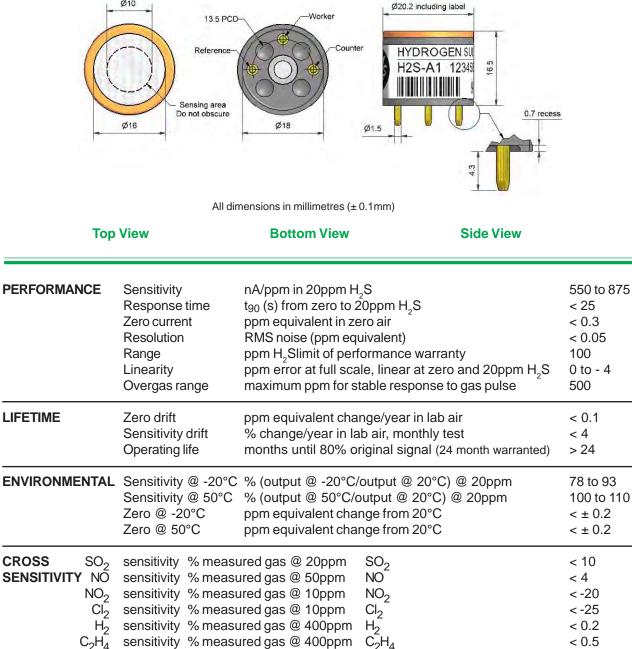
80 to 120

15 to 90

6

< 6

Figure 1 H2S-A1 Schematic Diagram



 $C_{2}H_{4}$ C_2H_4 sensitivity % measured gas @ 400ppm CO CO sensitivity % measured gas @ 20ppm NH_3 NH₃ **KEY** °C Temperature range **SPECIFICATIONS** Pressure range kPa Humidity range % rh continuous months @ 3 to 20°C (stored in sealed pot) Storage period Weight g

NOTE: all sensors are tested at ambient environmental conditions, with 10 ohm load resistor, 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.



H2S-A1 Performance Data

Figure 2 Sensitivity Temperature Dependence

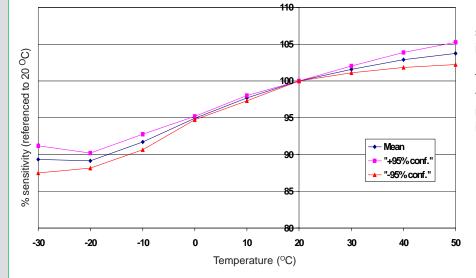


Figure 2 shows the variation in sensitivity caused by changes in temperature.

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

Figure 3 Zero Temperature Dependence

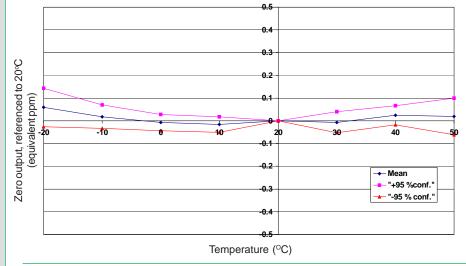


Figure 3 shows the variation in ${\rm t}_{90}\,$ response caused by changes in temperature.

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



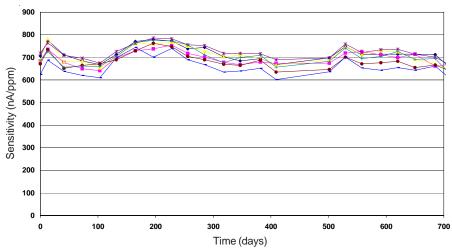


Figure 4 shows the excellent long term stability of the H2S-A1, which results from the combination of a patented design, superior electrochemistry and good process control.

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

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