

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.



## **HCL-B1** Performance Data

## Figure 2 Sensitivity Temperature Dependence

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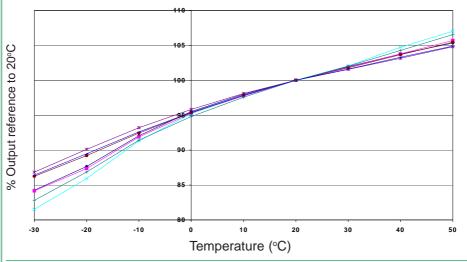


Figure 2 shows the variation of sensitivity at 25ppm HCI caused by changes in temperature.

## Figure 3 Zero Temperature Dependence

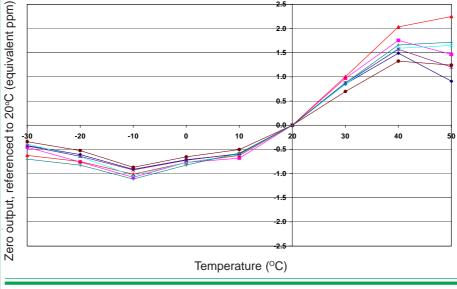


Figure 3 shows the variation in zero output caused by changes in temperature, expressed as ppm gas equivalent, referenced to zero at 20°C.

This data is taken from a typical batch of sensors.



600000 500000 400000 Output (nA) **300000** 100000 0 2000 4000 6000 8000 10000 0 12000 14000 16000 Time (seconds)

Sensor shows good response to 200ppm HCl.

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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