

## **CL2-A1 Chlorine Sensor**



PATENTED

## Figure 1 CL2-A1 Schematic Diagram



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.



## 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 shows the variation in zero output caused by changes in temperature expressed as ppm gas equivalent.

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Figure 4 shows the effect on zero output with increasing step changes of relative humidity from 10% rh in steps to 25% rh, 50% rh, 75% rh and 95% rh.

The relative humidity level is returned to 10% between each upward exposure.

This sensors provides an exceptionally low transient response to large step changes in relative humidity.

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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