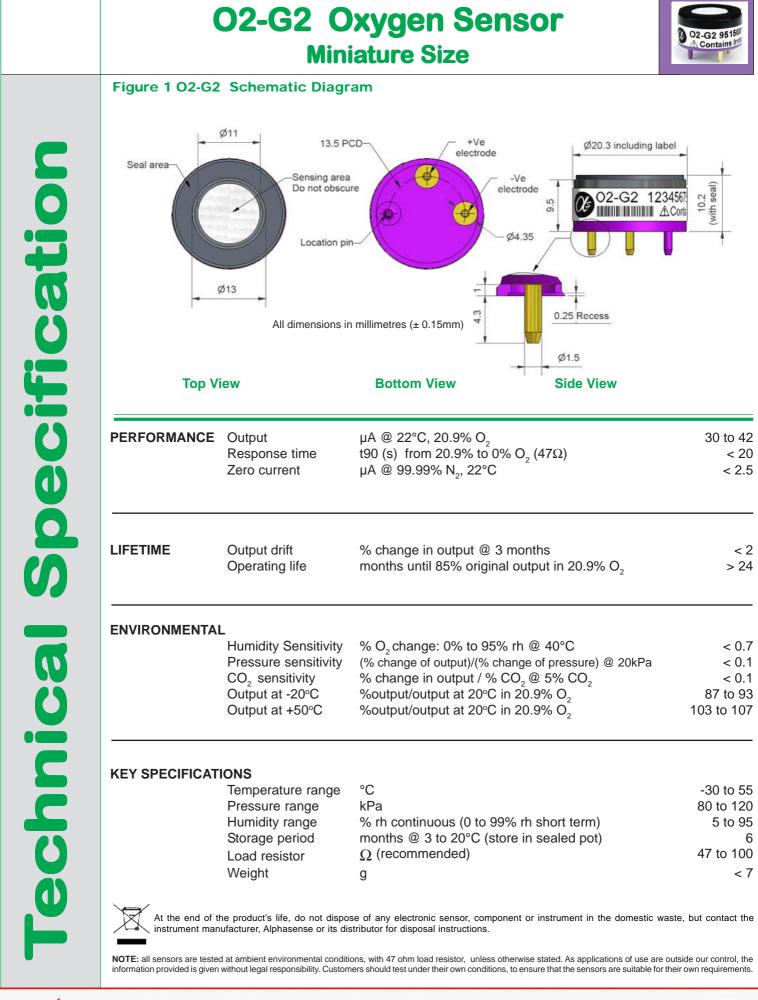
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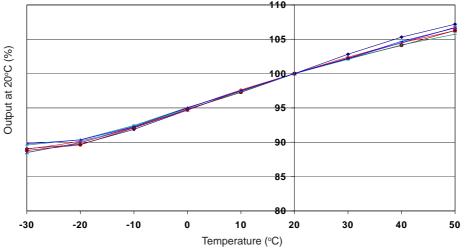
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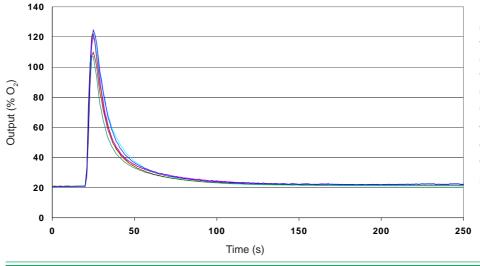
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This graph shows the variation in sensitivity caused by changes in temperature.

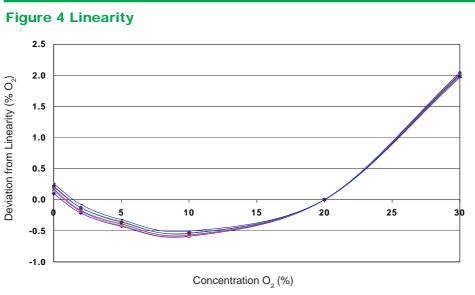
All capillary oxygen sensors will show some variation in signal output with temperature and the typical response of an O2-G2 is shown.

Figure 3 Pressure Step Performance



Step changes in pressure can cause a temporary signal transient. Positive pressure gives a output signal increase whilst negative pressure causes the output signal to decrease.

Typical transient response for an O2-G2 sensor exposed to a 10kPa pressure pulse is shown.



Mass flow oxygen sensors generate a non-linear current with increasing oxygen concentration: current = $k * \log (1/(1-C))$.

When plotted on a linear graph, figure 4 shows that the non-linearity is very repeatable and can be corrected in software to the required accuracy.

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