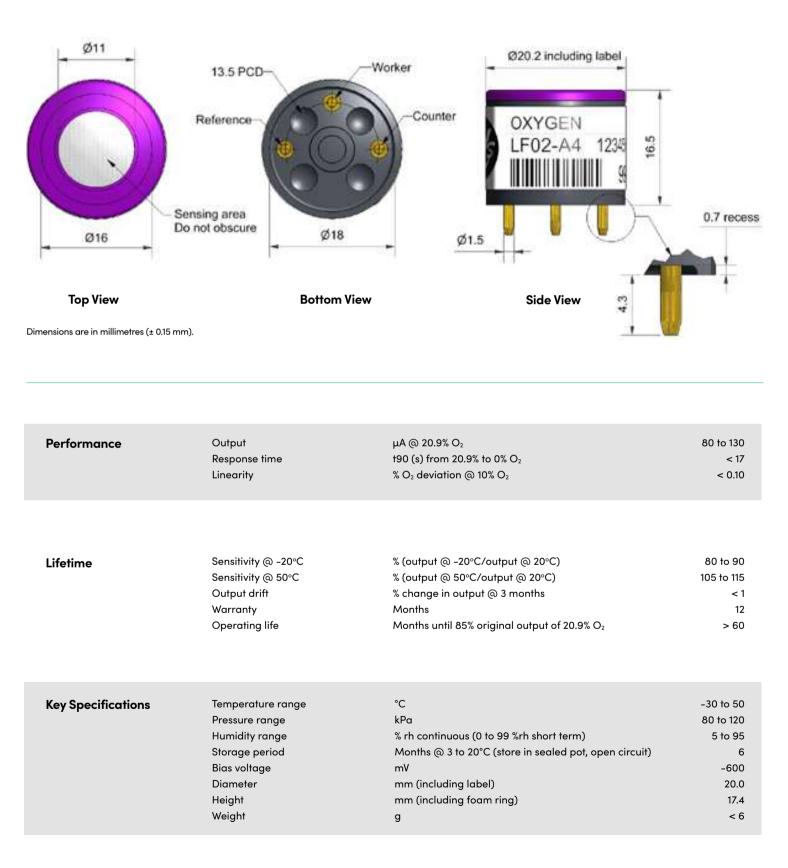




Clphasense



## LFO2-A4 Oxygen sensor – Lead-free 3-electrode



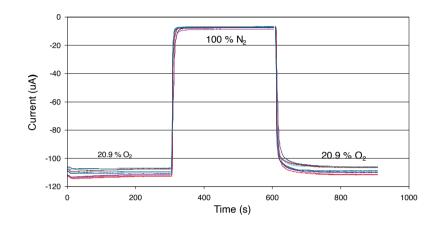


Instrument Expert Original factory packaging www.dorgean.com



Technical specifications Version 1.0

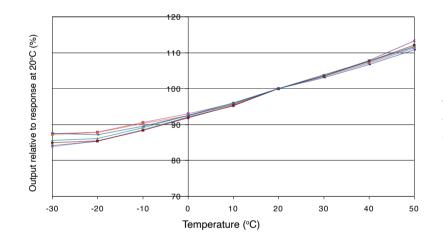
## Figure 1 Response to 20.9% Oxygen



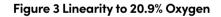
Sensor response is fast and repeatable, returning rapidly to the baseline.

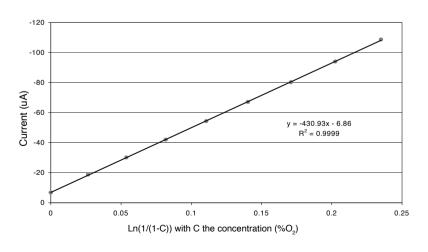
The sensor must be biased at -600mV continuously if instant response is required when swiching on the gas detector.

## Figure 2 Sensitivity Temperature Dependence



The very repeatable and nearly linear sensitivity temperature dependence allows for simple correction in software.





Although the signal is nearly linear up to 30%  $O_{2'}$  theory is proven to be accurate by fitting the output with the function K\*Ln(1/(1-C)).

At the end of the product's life, do not dispose of any electronic sensor, component or instrument in the domestic waste, but contact the instrument manufacturer, Alphasense or its distributor for disposal instructions. NOTE: all sensors are tested at ambient environmental conditions 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.

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