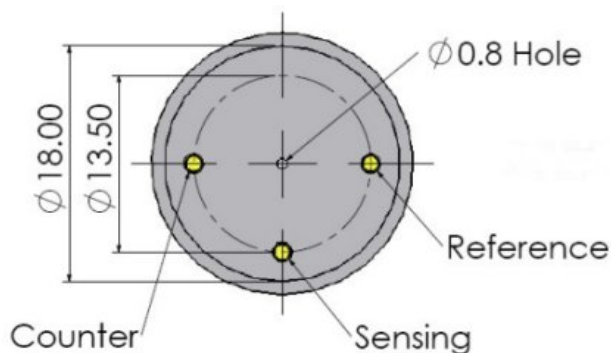
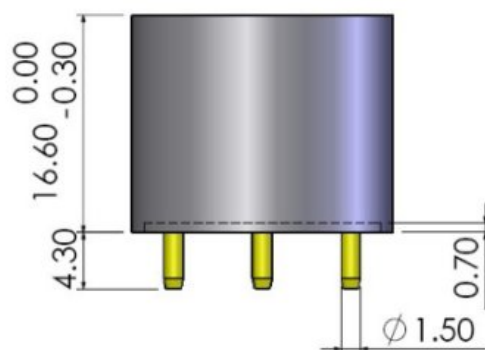
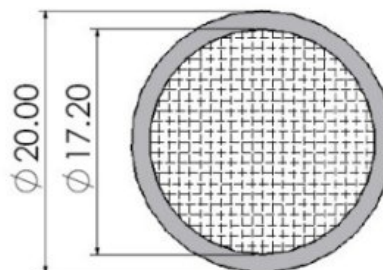




OUTLINE (Dimensions in millimetres)

Tolerances ± 0.15 mm unless stated.



PERFORMANCE

Range	0 - 30% O ₂
Over-range.....	100% O ₂
Resolution.....	0.1% O ₂
Expected lifetime (see note)	>36 months
Output signal in 20.9% O ₂	300 – 400 μ A
Output signal in N ₂	40 μ A
Linearity	see Fig. 3 (as predicted - inverse log response)
Response time (T ₉₀)	<15 s
Temperature range	-20 to +55 °C
Temperature coefficient (see Fig 1)	<0.5% signal/°C
Pressure range	90 - 110 kPa (nominal)
Pressure coefficient ...	0.07% typical signal per mbar change
Humidity range.....	15 - 95% RH (non-condensing)
Long-term output drift	<2% change in output per month
Operating circuit.....	see Electrochemical Sensors Application Note 5

Note: The sensor lifetime is **not** limited by the mass of a sacrificial anode.

PHYSICAL CHARACTERISTICS

Label colour	silver
Weight.....	6 g
Dimensions	see outline
Shelf life	6 months

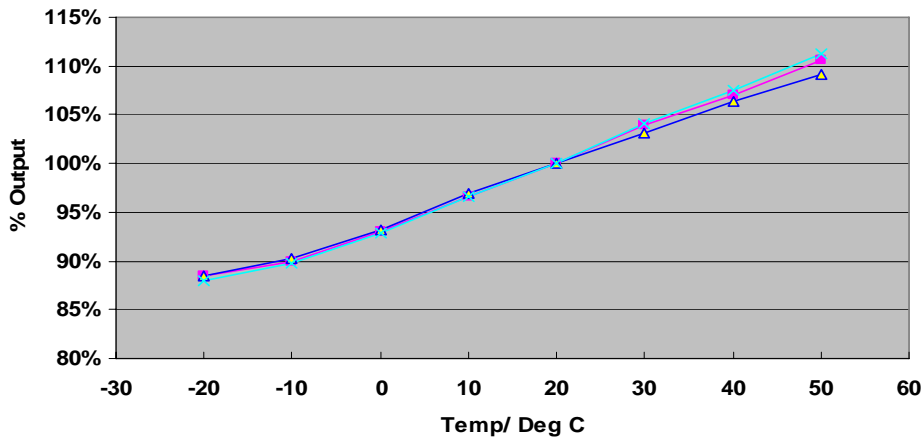


Fig. 1 – EC410 % Sensor Response (c.f. 20 °C) versus Ambient Temperature

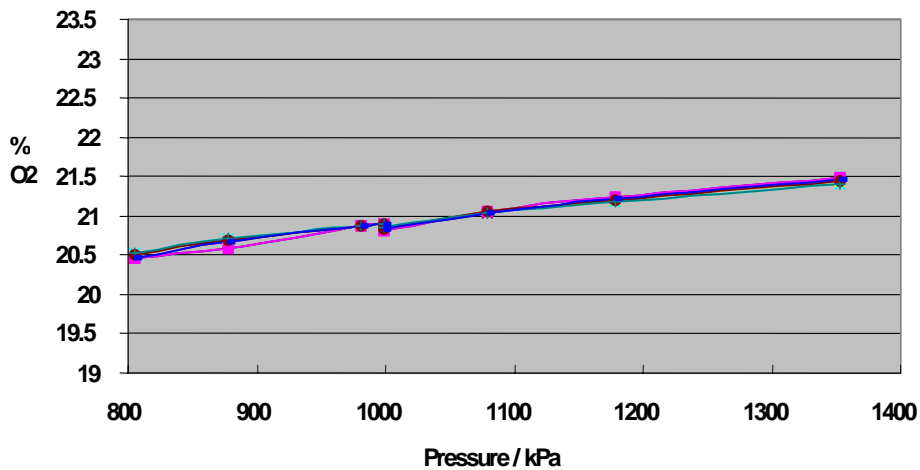


Fig. 2 – EC410 % Oxygen versus Pressure

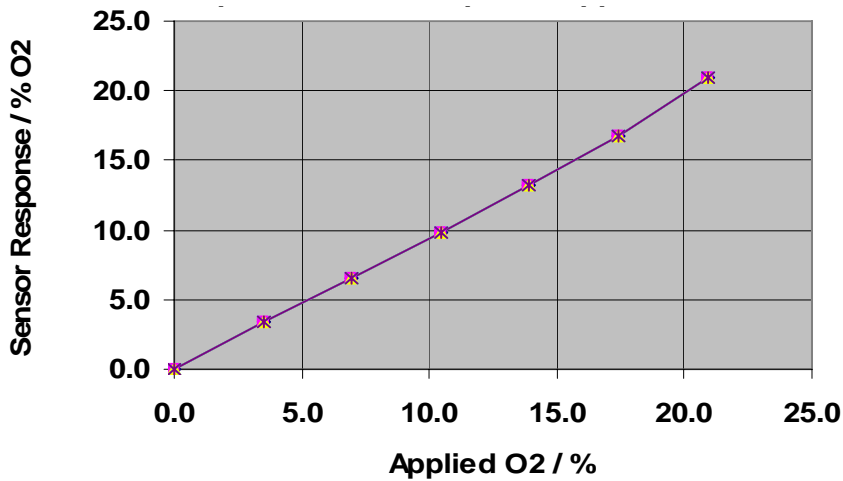


Fig. 3 – Oxygen Sensor Linearity Test – Sensor Response versus Applied Oxygen

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