

MICROceL™ OX Miniature Oxygen Sensor

N.B. All performance data is based on conditions at 22°C, 50%RH, and 1014mBar

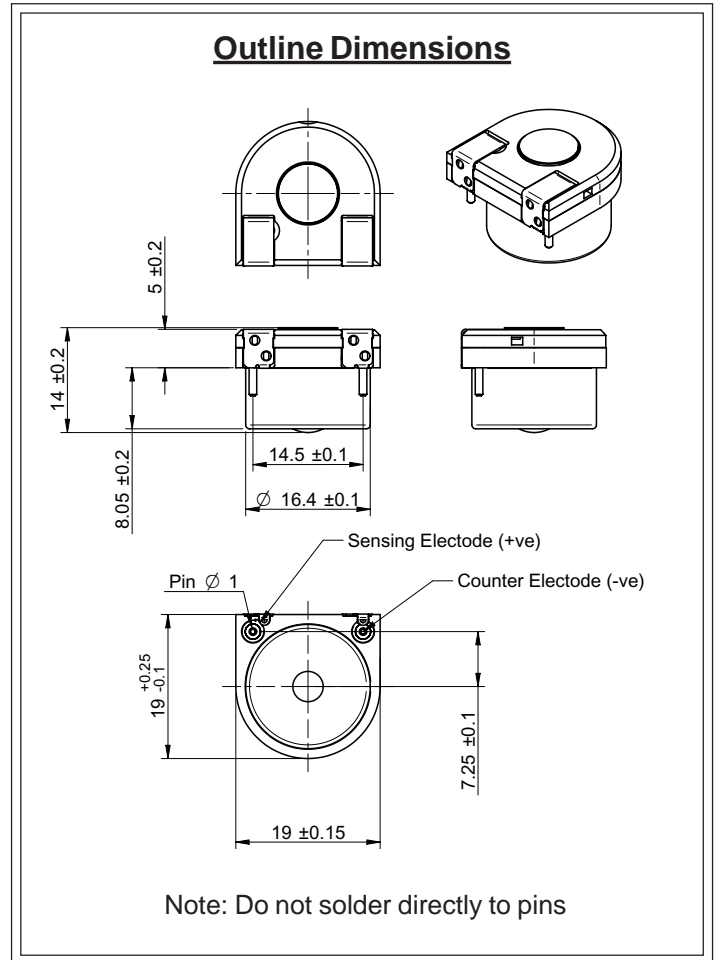
Performance Characteristics

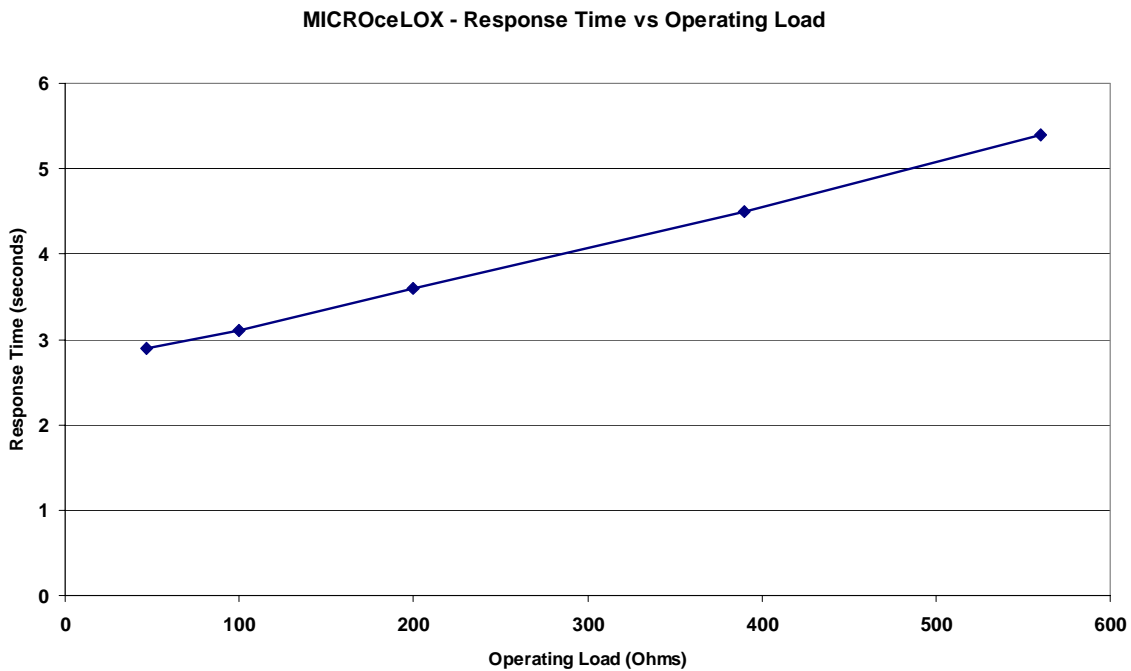
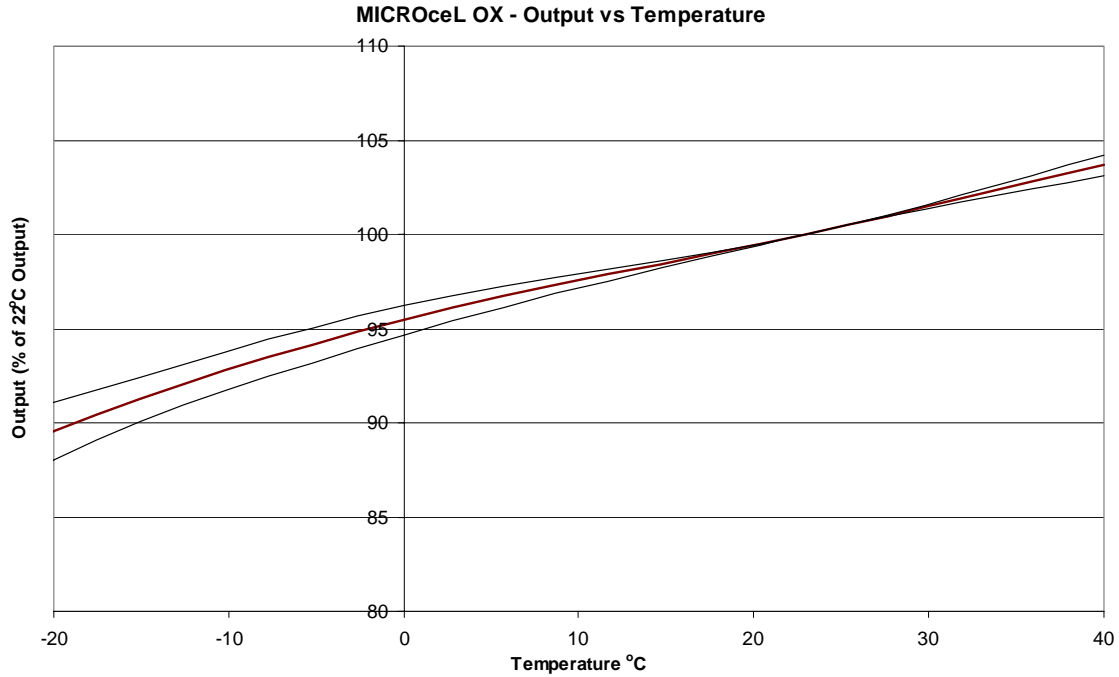
Expected Operating Life	2 Years in Air
Range	0-25% O ₂
Maximum Overload	30% O ₂
Output Signal	40-70µA in Air
T₉₀ Response Time	< 15 seconds (typically 3-4 seconds)
Linearity	$s = k \log_e 1/(1-c)$
Temperature Range	-20°C to +50°C
Temperature Coefficient	0.2% signal change/°C (see graph overleaf)
Humidity (Intermediate) (Continuous)	0-99% RH non-condensing 15-90% RH non-condensing
Pressure Range	Atmospheric ±10%
Pressure Coefficient	<0.02% signal/mBar
Long Term Drift	<10% signal loss/year
Recommended Load Resistor	<100 Ohms (See graph overleaf)

Physical Characteristics

Weight	8g approx.
Position Sensitivity	None
Storage Life	Six months in CTL packaging
Recommended Storage Temperature	0°C to 20°C
Warranty Period	24 months from date of despatch (This amounts to a variation of condition 6 of our standard terms and conditions which otherwise apply)

Outline Dimensions





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