

## 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% O2

Maximum Overload 30% O2

**Output Signal** 40-70μA in Air

T<sub>90</sub>Response Time < 15 seconds

(typically 3-4 seconds)

**Linearity** | s=klog<sub>e</sub>1/(1-c)

Temperature Range | -20°C to +50°C

**Temperature Coefficient** | 0.2% signal change/°C (see

graph overleaf)

Humidity (Intermediate) 0-99% F

(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

<100 Ohms (See graph

**Resistor** overleaf)

## **Physical Characteristics**

Weight 8g approx.

Position Sensitivity | None

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Storage Life | Six months in CTL

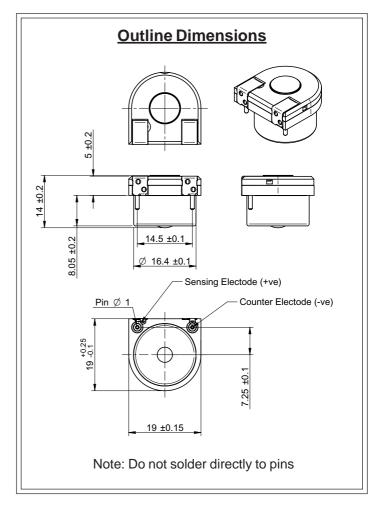
packaging

Recommended Storage Tomperature 0°C to 20°C

Storage Temperature

**Warranty Period** 

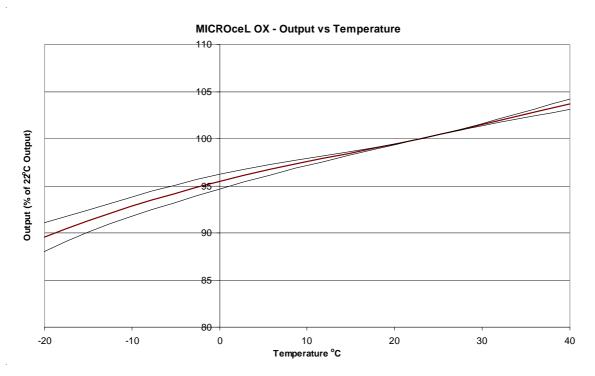
24 months from date of despatch (This amounts to a variation of condition 6 of our standard tems and conditions which otherwise apply)



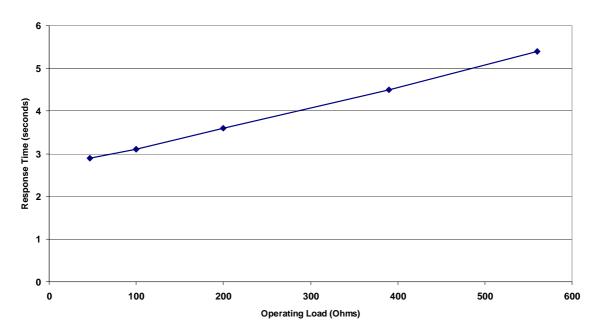








MICROceLOX - Response Time vs Operating Load



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Performance characteristics on this data sheet outline the performance of newly supplied sensors. Output signal can drift below the lower limit over time.

Doc. Ref.: microcelox ECN:1816 Issue 1.1

Page 2 of 2

23rd September 2005

