



**Key Features and Benefits:**

- False alarm immunity
- Reliably meets stated life
- Superior environmental performance
- Enhanced response time in extreme applications

**Technical Specifications**

**MEASUREMENT**

<b>Technology</b>	Electrochemical
<b>Measurement Range</b>	1-25% vol. O <sub>2</sub>
<b>Maximum Overload</b>	30% vol. O <sub>2</sub>
<b>Output Signal</b>	0.10 ± 0.02 mA in Air
<b>Response Time (T90)</b>	<15 Seconds
<b>Zero Current (Offset)</b>	<0.6% vol. O <sub>2</sub>
<b>Linearity</b>	Can be considered linear in many cases. See Operating Principles (OP-02) for further details.

**ELECTRICAL**

**Recommended Load Resistor** | 100 Ω

**MECHANICAL**

<b>Casing Material</b>	ABS
<b>Weight</b>	<16 g
<b>Orientation Sensitivity</b>	<0.2% vol. O <sub>2</sub> equivalent

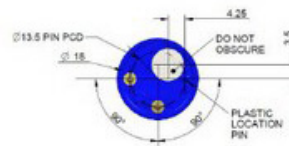
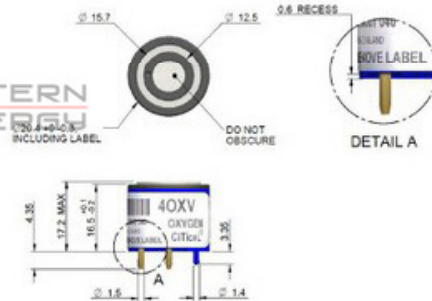
**ENVIRONMENTAL**

<b>Operating Temperature Range</b>	-20°C to +50°C (up to 3 months continuous across RH range)
<b>Recommended Storage Temp</b>	0°C to 20°C
<b>Thermal Transient</b> (Temp. plunge +22°C to -20°C)	<23.5% vol. O <sub>2</sub>
<b>Operating Pressure Range</b>	Atmospheric ± 20%
<b>Pressure Coefficient</b>	<0.02% signal/mbar
<b>Pressure Transient</b> (60 cm H <sub>2</sub> O step change)	<200% signal change
<b>Relative Humidity Range</b> (at 0°C to 20°C)	Continuous 5 to 95%RH non-condensing Short Term 0 to 99%RH non-condensing

**LIFETIME**

<b>Long Term Output Drift</b>	<2% signal/month Typically <5% over operating life
<b>Expected Operating Life</b>	Minimum 24 months in air
<b>Storage Life</b>	6 months in original packaging
<b>Warranty Period</b>	24 months from date of despatch

**Product Dimensions**



**IMPORTANT NOTES**

Obstruction of the vent hole will compromise performance, and must be avoided. Do not remove label.

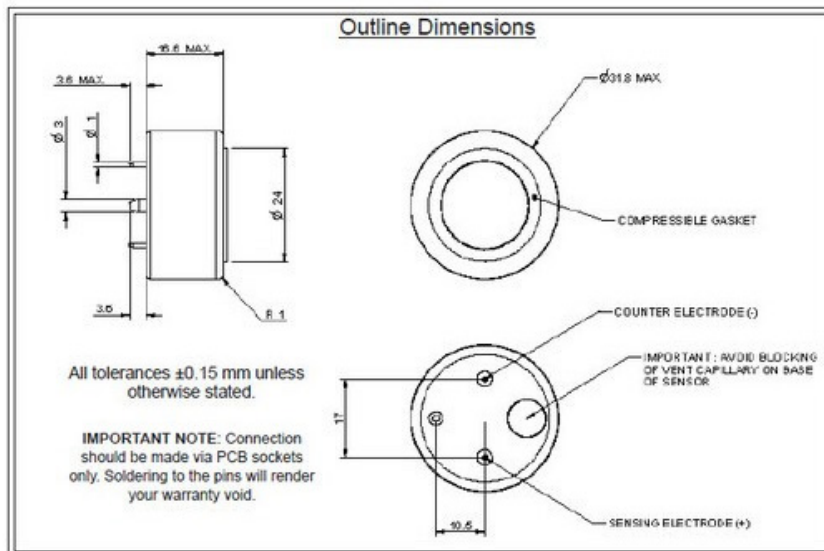
Adequate free volume should be provided below the sensor to ensure full performance.

All tolerances ±0.15 mm unless otherwise stated. DO NOT solder to pins.

All performance data is based on conditions at 20°C, 50% RH and 1013 mbar.

Oxygen CiTiceL<sup>®</sup> Specification  
**70X-V CiTiceL<sup>®</sup>**

**Outline Dimensions**



**Contact :**

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