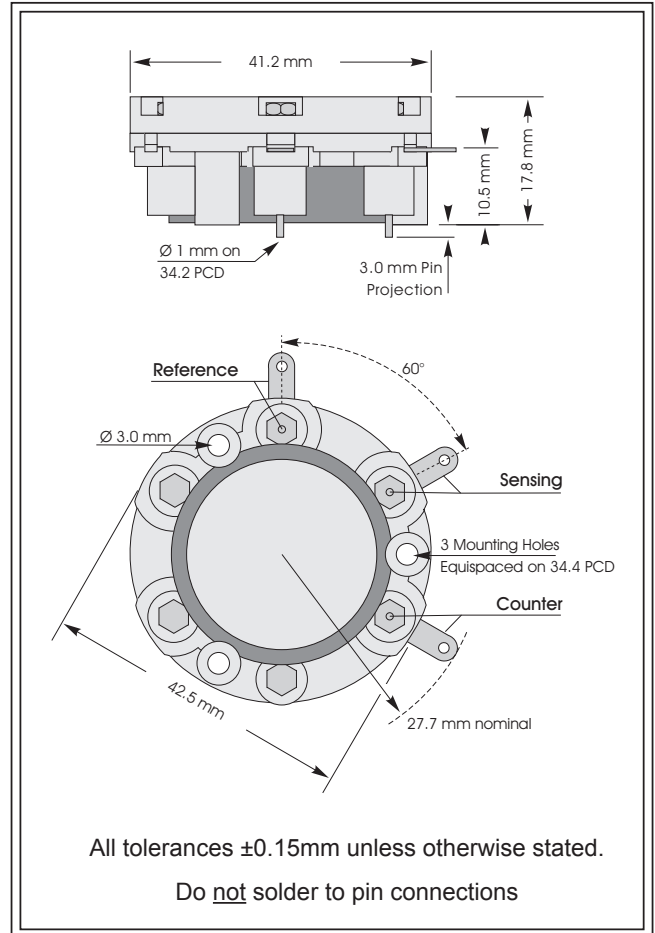




3ETO CiTiceL[®]

Performance Characteristics

Nominal Range	0-20ppm
Maximum Overload	100ppm
Expected Operating Life	Two years in air 2.75 ± 0.5 µA/ppm
Output Signal	0.1ppm
Resolution	-20°C to +50°C
Temperature Range	Atmospheric ± 10%
Pressure Range	No data
Pressure Coefficient	<140 seconds
T₉₀ Response Time	15% to 90% non-condensing
Relative Humidity Range	0 to +1ppm equivalent
Typical Baseline Range (pure air)	2ppm equivalent
Maximum Zero Shift (+20°C to +40°C)	<5% signal loss/year
Long Term Output Drift	10Ω
Recommended Load Resistor	+300mV
Bias Voltage	1% of signal



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

Cross-sensitivity

The following cross-sensitivities have been measured on the 3ETO and 7ETO:

Ethanol	≈55%	Methyl-ethyl-ketone	≈10%
Toluene	≈20%	Carbon monoxide	≈40%

Physical Characteristics

Weight	22g
Position Sensitivity	None
Storage Life	Six months in CTL container
Recommended Storage Temperature	0-20°C
Warranty Period	12 months from date of despatch

Ordering Information

The 3ETO Ethylene Oxide CiTiceL is supplied with both gold-plated PCB pin and side tag connections



SAFETY NOTE

This sensor is designed to be used in safety critical applications. To ensure that the sensor and/or instrument in which it is used, are operating properly, it is a requirement that the function of the device is confirmed by exposure to target gas (bump check) before each use of the sensor and/or instrument. Failure to carry out such tests may jeopardize the safety of people and property.

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