5F CiTiceL®

Performance Characteristics

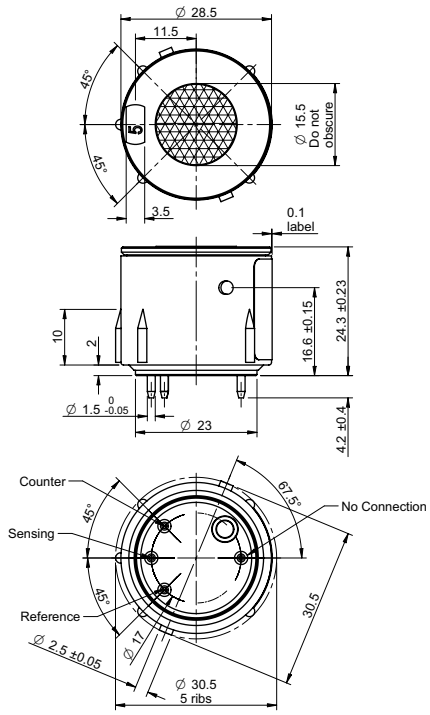
Nominal Range	0-4000ppm
Maximum Overload	20 000ppm
Fixed Filter Life	> 200,000ppm hours (1000ppm NO @ 500ml/min)
Expected Operating Life	Three years in air
Output Signal	0.030 ± 0.006 µA/ppm
Resolution	1ppm
Temperature Range	-20°C to +50°C
Pressure Range	Atmospheric ± 10%
Pressure Coefficient	0.007 ± 0.003 %signal/mBar
T_{90} Response Time	<40 seconds
Relative Humidity Range	15 to 90% non-condensing
Typical Baseline Range (pure air)	-10 to +5ppm equivalent
Maximum Zero Shift (+20°C to +40°C)	-10ppm equivalent
Long Term Output Drift	<2% signal loss/month
Recommended Load Resistor	10Ω
Bias Voltage	Not required
Repeatability	1% of signal
Output Linearity	Linear
Colour Coding	Red

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

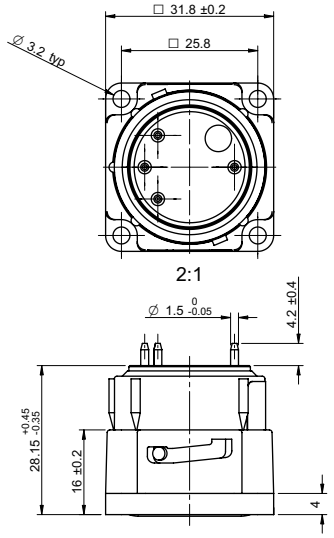
Physical Characteristics

Weight	12.5 g
Position Sensitivity	None
Storage Life	Six months in CTL container
Recommended Storage Temperature	0-20°C
Warranty Period	12 months from date of despatch

Outline Sensor Dimensions



With Bayonet Fitting Accessory



Bayonet Block available seperatly,
Order code: B505

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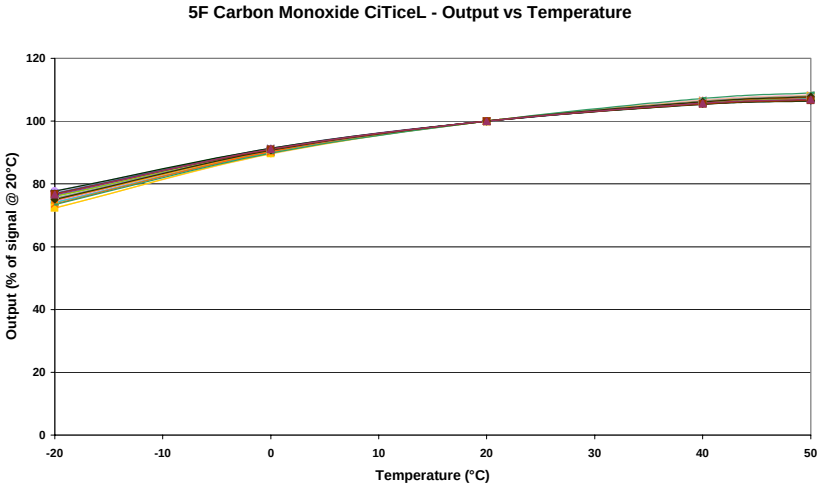
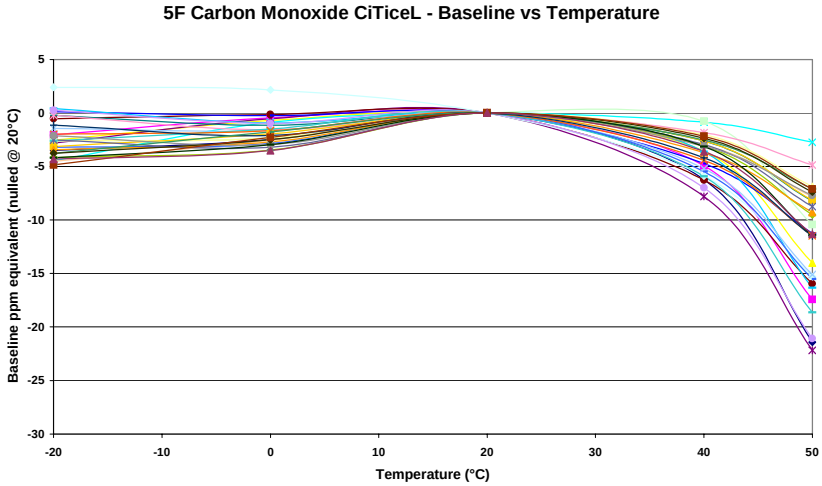
Carbon Monoxide CiTiceL® Specification





Cross-sensitivity Data

CiTiceLs may exhibit a response to certain gases in a sample other than the target gas. The table below shows the typical response of 5F sensors to a number of common cross-interfering gases. The figures are expressed as a percentage of the primary sensitivity (i.e. carbon monoxide = 100%).

Gas	Response	Gas	Response
Hydrogen sulphide:	0	**Hydrogen:**	<60[1]
Sulphur dioxide:	0	**Hydrogen chloride:**	0
Nitric oxide:	0	**Ethylene:**	<10
Nitrogen dioxide:	0		

** For details of other possible cross-interfering gases contact City Technology.**

[1]For applications where a hydrogen compensated output is required the A5F CiTiceL should be used

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