

5F CiTiceL[®]

Performance Characteristics

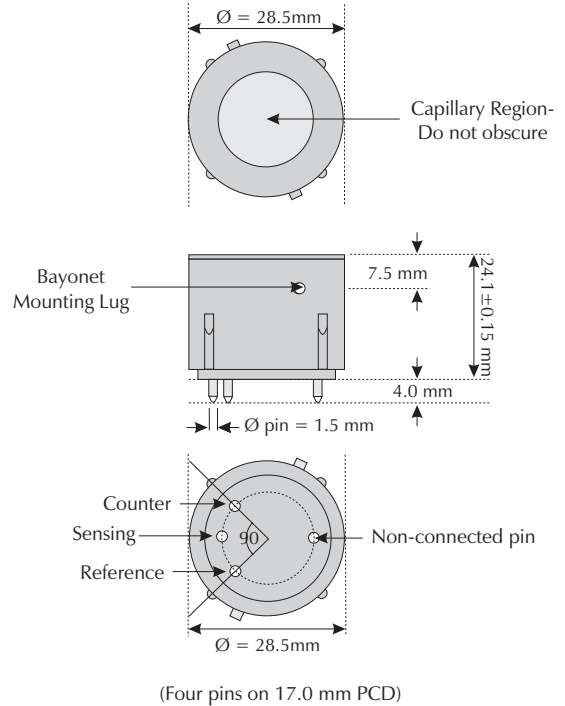
Nominal Range	0-4000ppm
Maximum Overload	20 000ppm
Fixed Filter Life	> 200,000ppm hours (1000ppm NO @ 500ml/min)
Expected Operating Life	Three years in air
Output Signal	0.030 ± 0.006 µA/ppm
Resolution	1ppm
Temperature Range	-20°C to +50°C
Pressure Range	Atmospheric ± 10%
Pressure Coefficient	0.007 ± 0.003 %signal/mBar
T₉₀ 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

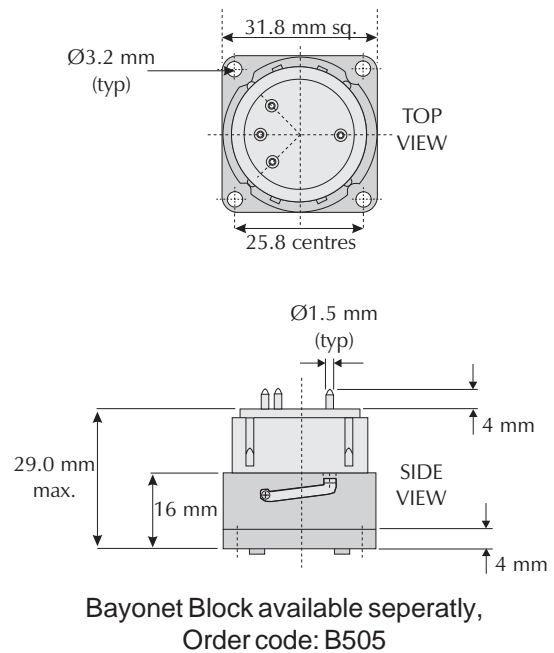
Physical Characteristics

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



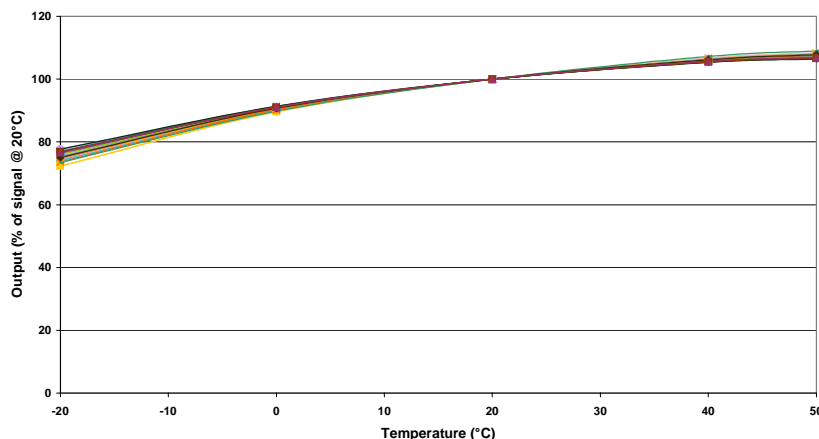
With Bayonet Fitting Accessory



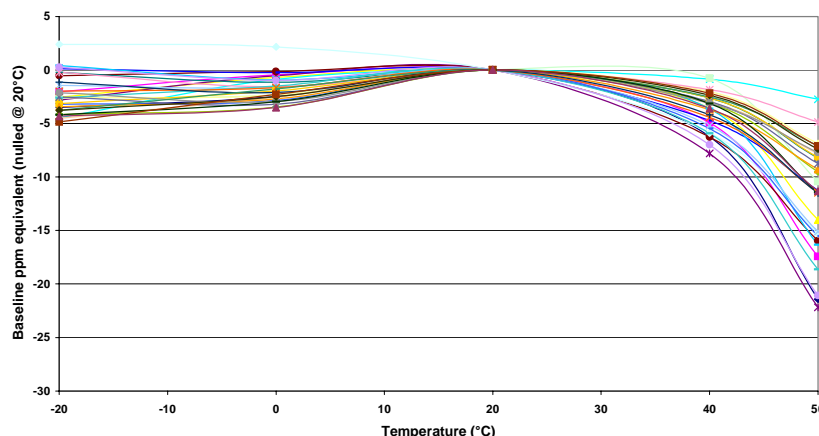
Carbon Monoxide CiTiceL[®] Specification



5F Carbon Monoxide CiTiceL - Output vs Temperature



5F Carbon Monoxide CiTiceL - Baseline vs Temperature



Distributed by:

Shawcity Ltd
 91-92 Shrivenham Hundred Business Park
 Watchfield, Oxfordshire, SN6 8TY
 Tel: 01793 780622
 Email: sensororders@shawcity.co.uk
 www.shawcity.co.uk

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%).

<u>Gas</u>	<u>Response</u>	<u>Gas</u>	<u>Response</u>
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.**

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

Every effort has been made to ensure the accuracy of this document at the time of printing. In accordance with the company's policy of continued product improvement City Technology Limited reserves the right to make product changes without notice. No liability is accepted for any consequential losses, injury or damage resulting from the use of this document or from any omissions or errors herein. The data is given for guidance only. It does not constitute a specification or an offer for sale. The products are always subject to a programme of improvement and testing which may result in some changes in the characteristics quoted. As the products may be used by the client in circumstances beyond the knowledge and control of City Technology Limited, we cannot give any warranty as to the relevance of these particulars to an application. It is the clients' responsibility to carry out the necessary tests to determine the usefulness of the products and to ensure their safety of operation in a particular application.

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