

# 7ST/F CiTiceL®

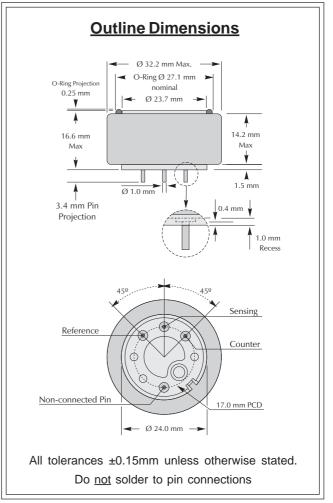
## **Performance Characteristics**

0-100ppm		
500ppm		
To remove H <sub>2</sub> S		
Two years in air		
0.37 ± 0.07 µA/ppm		
0.5ppm		
-20°C to +50°C		
Atmospheric ± 10%		
0.015 % signal/mBar		
≤20 seconds		
15 to 90% non-condensing		
-0.25 to +0.5ppm equiv.		
1ppm equivalent		
<2% signal loss/month		
10Ω		
Not required		
1% of signal		
Linear		

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

### **Physical Characteristics**

Weight	17g
<b>Position Sensitivity</b>	None
Storage Life	Six months in CTL container
Recommended Storage Temperature	0-20°C
Warranty Period	12 month from date of despatch



**IMPORTANT NOTE**: Connection should be made via PCB sockets only. Soldering to the pins will render your warranty void.

#### Doc. Ref.: 7stf.pmd Issue 4.5

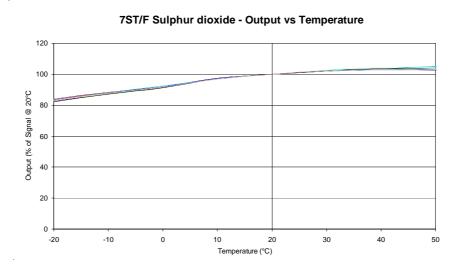
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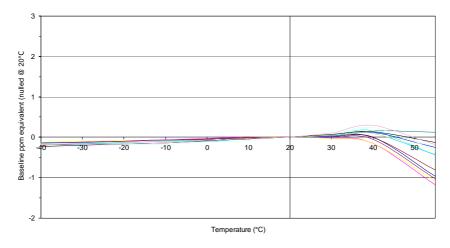
City Technology Ltd, City Technology Centre, Walton Rd, Portsmouth PO6 1SZ, UK Tel:+44 23 9232 5511, Fax:+44 23 9238 6611, sensors@citytech.co.uk, www.citytech.com

# Sulphur dioxide CiTiceL® Specification





#### 7ST/F Sulphur dioxide CiTiceL - Baseline vs Temperature



#### **Cross-sensitivity Data**

CiTiceLs may exhibit a response to certain gases in a sample other than the target gas. 7ST/F CiTiceLs have been tested with a number of commonly cross-interfering gases and the results are given below. The table shows the typical response to be expected from a sensor when exposed to a given test gas concentration (relevant to safety, e.g. TLV levels).

Gas	Conc.	<u>7ST/F</u>	Gas	Conc.	<u>7ST/F</u>	
Carbon monoxide:	300ppm	<5ppm	Hydrogen:	100ppm	0ppm	
Hydrogen sulphide:	15ppm	0ppm	Hydrogen cyanide:	10ppm	<5ppm	
Nitric oxide:	35ppm	-7 <x\$<0ppm< td=""><th>Hydrogen chloride:</th><td>5ppm</td><td>0ppm</td></x\$<0ppm<>	Hydrogen chloride:	5ppm	0ppm	
Nitrogen dioxide:	5ppm	≈-5ppm	Ethylene:	100ppm	0ppm	
Chlorine:	5ppm	-1.5 <x\$<0ppm< th=""><th colspan="4">**For details of other possible cross-interfering gases contact City Technology.**</th></x\$<0ppm<>	**For details of other possible cross-interfering gases contact City Technology.**			

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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.

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