SPECIFICATION SHEET FOR HIGH SENSITIVE NO SENSOR TYPE NO/C-25

PERFORMANCE CHARACTERISTICS

Nominal Range	0 –25 ppm
Maximum Overload	50 ppm
Expected Operation Life	3 years in air
Output Signal	2000 ± 400 nA/ppm
Resolution	0.05 ppm
Temperature Range	- 40 °C to 50 °C
Pressure Range	Atmospheric ± 10%
Pressure Coefficient	No data
T_{90} Response Time	< 10 sec
Relative Humidity Range	15 % to 90 % R.H. non-condensing
Typical Baseline Range (pure air, 20°C)	+ 0.25 to + 1 ppm
Maximum Zero Shift (+20°C to +40°C)	3 ppm
Long Term Output Drift	< 2 % signal loss/month
Recommended Load Resistor	10 Ohm
Bias Voltage	+ 300 mV
Repeatability	< 2 % of signal
Output Linearity	Linear

CROSS-SENSITIVITY DATA

Interfering Gas	Concentration	Reading
CO	300 ppm	0 ppm
H_2S	15 ppm	< 5 ppm
NO_2	20 ppm	< 1 ppm
H_2	300 ppm	0 ppm
SO_2	5 ppm	0 ppm

Performance data conditions:
20 °C, 50% RH and 1013 mbar

APPLICATIONS

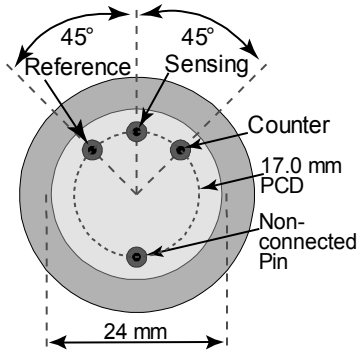
Air Quality Monitoring
Safety and Environmental Control

PHYSICAL CHARACTERISTICS

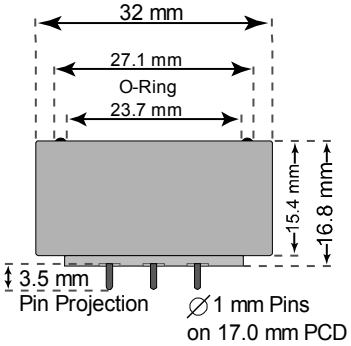
Weight	~ 13 g
Position Sensitivity	None
Storage Life	Six months in container
Recommended Storage Temperature	5 °C – 20 °C
Warranty Period	12 months from date of dispatch

Compact-Size Outline Dimensions

BOTTOM VIEW



SIDE VIEW



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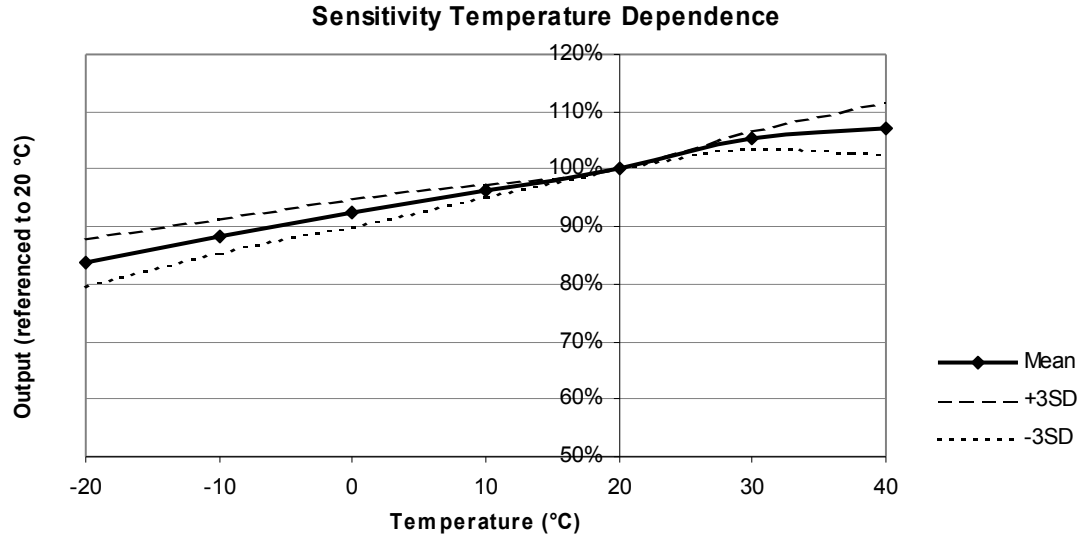
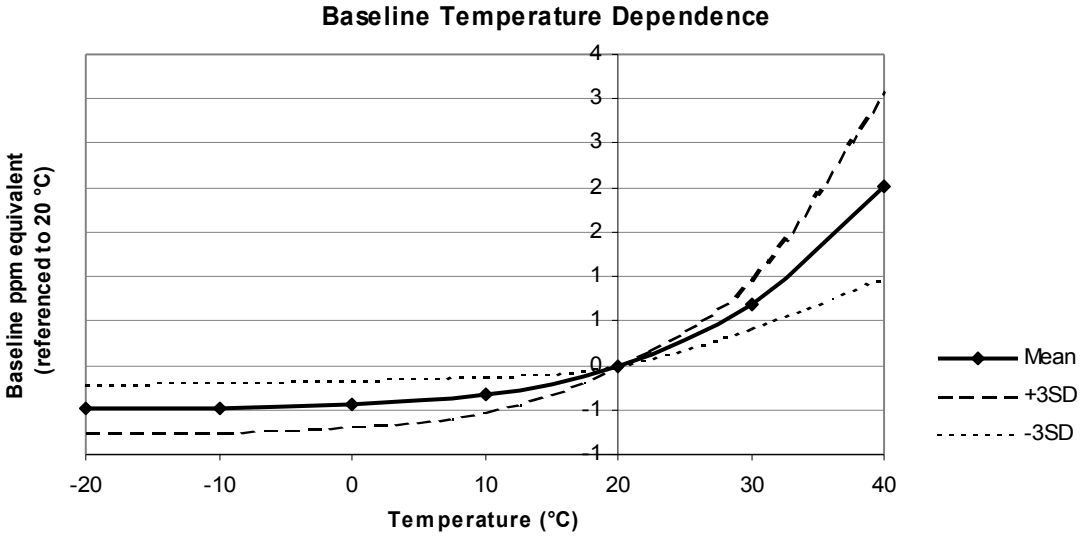
TEMPERATURE DEPENDENCE

The output of an electrochemical sensor varies with temperature. The graphs below show the variation in output with temperature for this type of sensor. The results are shown in the graphs as a mean for a batch of sensors, along with confidence intervals corresponding to ±3 times the standard deviation. The sensitivity dependence is expressed as a percentage of the signal at 20 °C. The shift in baseline is shown in ppm referenced to 20 °C.





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