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

PERFORMANCE CHARACTERISTICS

Nominal Range	0 – 25 ppm
Maximum Overload	ND
Expected Operation Life	3 years in air
Output Signal	2100 ± 420 nA/ppm
Resolution	0,15 ppm
Temperature Range	- 20 ℃ to 45 ℃
Pressure Range	Atmospheric ± 10%
Pressure Coefficient	No data
T90 Response Time	< 25 sec
Relative Humidity Range	15 % to 90 % R.H. non-condensing
Typical Baseline Range (pure air, 20℃)	+ 0,25 to + 1 ppm [1)]
Maximum Zero Shift (+20℃ to +40℃)	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

[1)] Sensors not older then a few weeks show typical baseline values of ~ 30 - 40 ppm after 12 h stabilisation in biassed operation. After two days the baseline stabilises to the specified value. Sensors older then a few month will stabilise faster.

CROSS-SENSITIVITY DATA

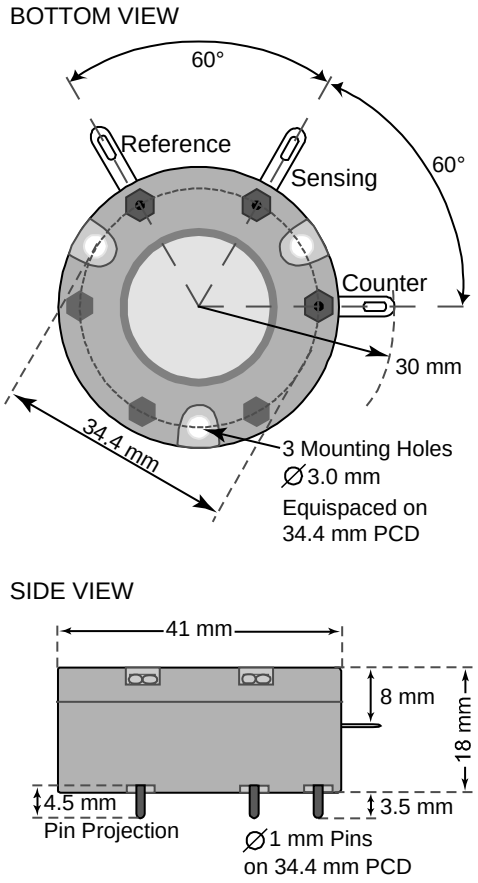
Interfering Gas	Concentration	Reading
CO	300 ppm	0 ppm
SO_2		ND
H_2S	15 ppm	< 5 ppm
NO_2	10 ppm	< 3 ppm
H_2	300 ppm	0 ppm

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

PHYSICAL CHARACTERISTICS

Weight	~ 27 g
Position Sensitivity	None
Storage Life	Six months in container
Recommended Storage Temperature	5 ℃ – 20 ℃
Warranty Period	12 months from date of dispatch

Slim-Size Outline Dimensions



APPLICATIONS

Continuous Air Quality Monitoring
Safety and Environmental Control

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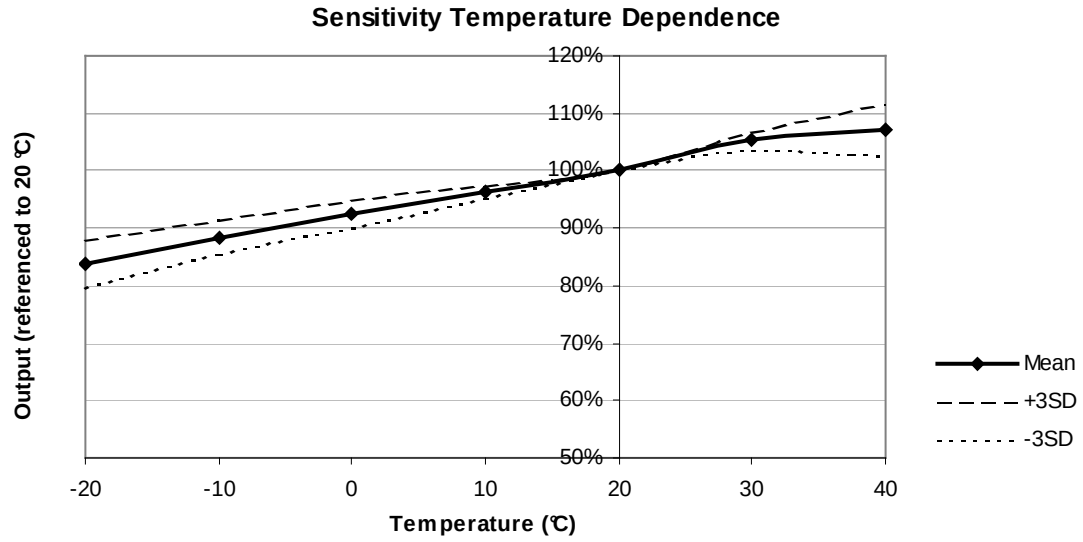
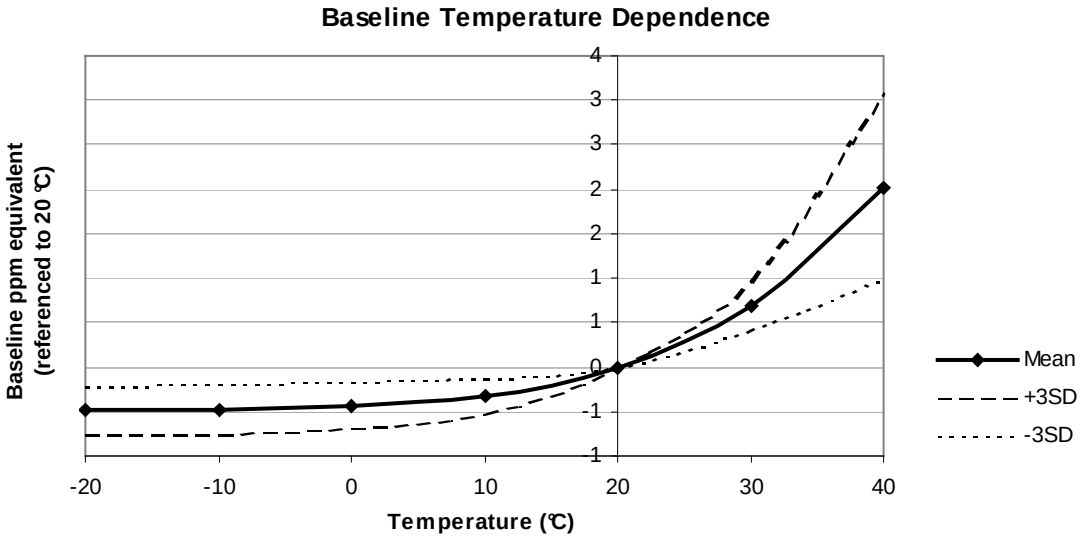
TEMPERATURE DEPENDENCE

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 ℃. The shift in bas eline is shown in ppm referenced to 20 ℃.





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