# SPECIFICATION SHEET FOR NO SENSOR TYPE NO/S-100

### PERFORMANCE CHARACTERISTICS

Nominal Range	0 – 100 ppm
Maximum Overload	ND
Expected Operation Life	3 years in air
Output Signal	550 ± 110 nA/ppm
Resolution	0,5 ppm
Temperature Range	- 20 ℃ to 45 ℃
Pressure Range	Atmospheric ± 10%
Pressure Coefficient	No data
T <sub>90</sub> Response Time	< 25 sec
Relative Humidity Range	15 % to 90 % R.H.
	non-condensing
Typical Baseline Range (pure	+1 to + 4 ppm 1)
air, 20℃)	
Maximum Zero Shift (+20℃	12 ppm
to +40℃)	
Long Term Output Drift	< 2% signal loss/month
Recommended Load Resistor	10 Ohm
Bias Voltage	+ 300 mV
Repeatability	< 2 % of signal
Output Linearity	Linear

<sup>&</sup>lt;sup>1)</sup> 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 <sub>2</sub>		ND <sup>2)</sup>
H <sub>2</sub> S	15 ppm	< 5 ppm
$NO_2$	10 ppm	< 3 ppm
$H_2$	300 ppm	0 ppm

<sup>2)</sup> To remove effect of SO<sub>2</sub> use NO/SF-100

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

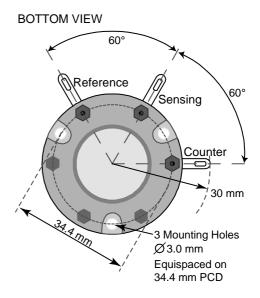
### **APPLICATIONS**

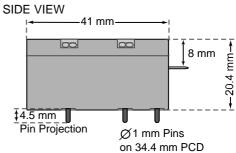
Safety and Environmental Control

### PHYSICAL CHARACTERISTICS

Weight	~ 32 g
Position Sensitivity	None
Storage Life	Six months in
	container
Recommended Storage	5 ℃ – 20 ℃
Temperature	
Warranty Period	12 months from date
	of dispatch

#### Standard-Size Outline Dimensions





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