MEMBRAPOR

SPECIFICATION SHEET FOR CO SENSOR TYPE CO/C-1000

PERFORMANCE CHARACTERISTICS

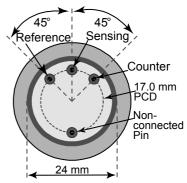
Nominal Range	0 – 1'000 ppm	
Maximum Overload	2'000 ppm	
Expected Operation Life	3 years in air	
Output Signal	100 ± 20 nA/ppm	
Resolution	0,5 ppm	
Temperature Range	- 20 °C to 45 °C	
Pressure Range	Atmospheric ± 10%	
Pressure Coefficient	No data	
T ₉₀ Response Time	< 35 sec	
Relative Humidity Range	15 % to 90 % R.H.	
	non-condensing	
Typical Baseline Range (pure air, 20°C)	-1 to +5 ppm	
Maximum Zero Shift (+20°C to +40°C)	10 ppm	
Expected Long Term Output	< 2 % signal	
Drift	loss/month	
Recommended Load Resistor	10 Ohm	
Bias Voltage	Not recommended	
Repeatability	< 2 % of signal	
Output Linearity	Linear	

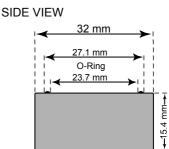
PHYSICAL CHARACTERISTICS

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





CROSS-SENSITIVITY DATA

Interfering Gas ^(*)	Concentration	Reading
H₂S	15 ppm	45 ppm
SO ₂	15 ppm	9 ppm
NO	40 ppm	< 20 ppm
NO ₂	13 ppm	-8 ppm
H ₂	100 ppm	< 60 ppm

(*) To avoid interference from acid gases use CO/CF-1000

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

APPLICATIONS

Continuous Air Quality Monitoring Safety and Environmental Control

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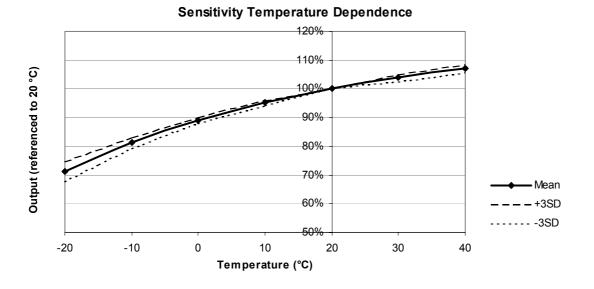
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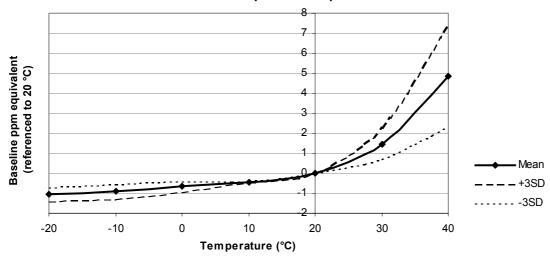
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TEMPERATURE DEPENDENCE

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.



Baseline Temperature Dependence



The data contained in this document is for guidance only. Membrapor AG accepts no liability for any consequential losses, injury or damage resulting from the use of this document or the information contained within it. The data is given for guidance only. Customers should test under their own conditions, to ensure that the sensors are suitable for their own requirements.

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