MEMBRAPOR

SPECIFICATION SHEET FOR CO SENSOR TYPE CO/S-1000

PERFORMANCE CHARACTERISTICS

0 – 1000 ppm
2'000 ppm
3 years in air
100 ± 20 nA/ppm
0,5 ppm
- 20 °C to 45 °C
Atmospheric ± 10%
No data
< 35 sec
15 % to 90 % R.H.
non-condensing
-1 to +5 ppm
10 ppm
< 2 % signal
loss/month
10 Ohm
Not recommended
< 2 % of signal
Linear

CROSS-SENSITIVITY DATA

Interfering Gas (*)	Concentration	Reading
H ₂ S	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/SF-1000

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

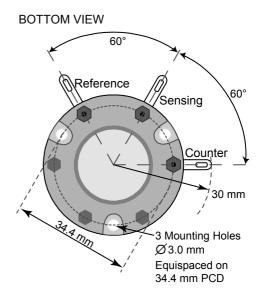
APPLICATIONS

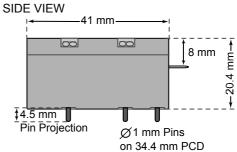
Continuous Air Quality Monitoring Safety and Environmental Control

PHYSICAL CHARACTERISTICS

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

Standard-Size Outline Dimensions





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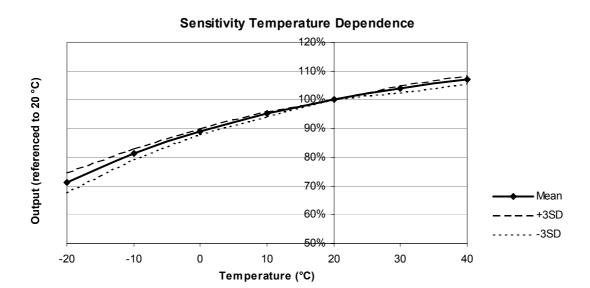
Phone: +41 43 311 72 00 Fax: +41 43 311 72 01 Email: info@membrapor.ch www.membrapor.ch

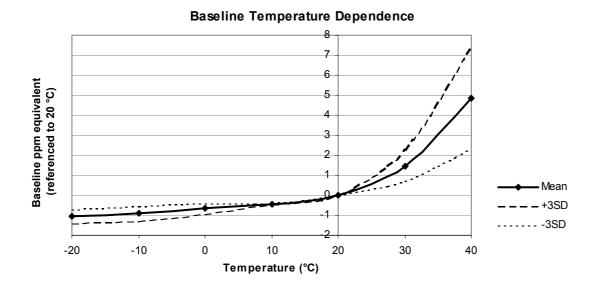
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TEMPERATURE DEPENDENCE

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.





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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Phone: +41 43 311 72 00 Fax: +41 43 311 72 01 Email: info@membrapor.ch www.membrapor.ch