MEMBRAPOR

SPECIFICATION SHEET FOR CO SENSOR TYPE CO/SF-2E

PERFORMANCE CHARACTERISTICS

Nominal Range	0 – 300 ppm	
Maximum Overload	500 ppm	
Inboard Filter	To remove acid gases	
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	< 40 sec	
Relative Humidity Range	15 % to 90 % R.H.	
	non-condensing	
Typical Baseline Range (pure air, 20°C)	< 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	

CROSS-SENSITIVITY DATA

Interfering Gas	Concentration	Reading
H ₂	100 ppm	< 60 ppm
H₂S	15 ppm	< 1 ppm
SO ₂	15 ppm	0 ppm
NO	40 ppm	0 ppm
NO ₂	13 ppm	0 ppm

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

APPLICATIONS

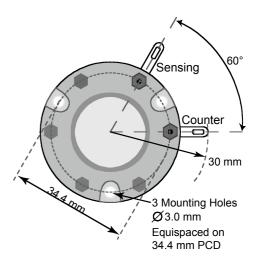
Continuous Air Quality Monitoring Safety and Environmental Control

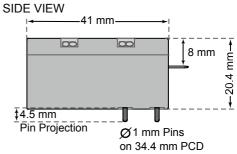
PHYSICAL CHARACTERISTICS

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

BOTTOM VIEW





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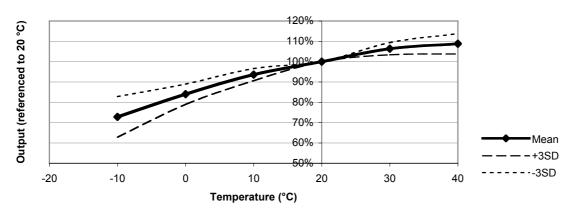


SPECIFICATION SHEET FOR CO SENSOR TYPE CO/SF-2E

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.

Sensitivity 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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