# **MEMBRAPOR** Specification Sheet



## Carbon Monoxide Gas Sensor CO/SF-2E-S

CO Gas Sensor in Slim Housing

### **Applications**

- Continuous Air Quality Monitoring
- Safety and Environmental Control

### **Measurement**

Operation Principle	2-Electrode Electrochemical
Nominal Range	0 - 1000 ppm
Maximum Overload	500 ppm
Inboard Filter	To remove acidic gases
Output Signal	100 ± 20 nA/ppm
Resolution (Electronics dependent)	< 0.5 ppm
T90 Response Time	< 50 s
Typical Baseline Range (pure air, 20°C)	-5 ppm to 5 ppm
Maximum Zero Shift (+20°C to +40°C)	N.D.
Repeatability	< 2 % of signal
Output Linearity	Linear
Gain (Only applies to 4-Electrode sensors)	-

Rev.: Apr-20

Phone: +41 43 311 72 00 Fax: +41 43 311 72 01 E-Mail: <u>info@membrapor.ch</u> Website: <u>www.membrapor.ch</u> Page 1 of 4

Membrapor AG Birkenweg 2 CH-8304 Wallisellen Switzerland

#### Performance data recorded at 20 – 25 °C, 30 - 50% RH, 900 - 1100 mbar

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<u>Electrical</u>	
Rec. Load Resistor	10 - 33 Ω
Bias (V_Sens-V_Ref)	not recommended
Conformity to RoHS directive	RoHS Compliance
Environmental	
Relative Humidity Range	15 % to 90 % RH non-condensing
Temperature Range	-40 °C to 50 °C
Pressure Range	Atmospheric ± 10%
Pressure Coefficient	N.D.
Humidity Effect	None
<u>Lifetime</u>	
Expected Operation Life	3 years in air
Expected Long Term Output Drift in air	< 2 % signal loss per month
Filter Life	N.D.
Storage Life	6 months in container
Rec. Storage Temperature	5°C - 20°C
Warranty Period	12 months from date of dispatch

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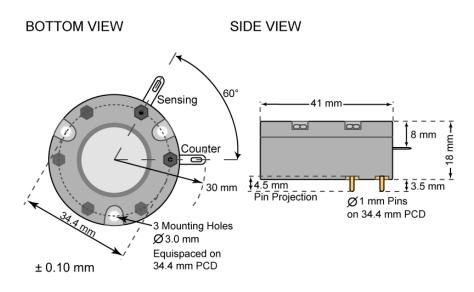
#### Performance data recorded at 20 – 25 °C, 30 - 50% RH, 900 - 1100 mbar





## Carbon Monoxide Gas Sensor CO/SF-2E-S

#### Slim-Size Outline Dimensions



### **Mechanical**

Weight	27 g
Orientation	Any
Housing material	Polycarbonate

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## Carbon Monoxide Gas Sensor CO/SF-2E-S

### **Cross Sensitivity Data**

The table below does not claim to be complete. Interfering gases should not be used for calibration. Please contact Membrapor AG for further support regarding cross sensitivities.

Interfering Gas	Cross-Sens. [%]
H <sub>2</sub>	< 60
H <sub>2</sub> S	N.D.
NO	0
NO <sub>2</sub>	0
SO <sub>2</sub>	0

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