

SPECIFICATION SHEET FOR CO Sensor Type CO/MF-2E

PERFORMANCE CHARACTERISTICS

Nominal Range	0 – 300 ppm	
Maximum Overload	Nd	
Expected Operation Life	> 2 years in air	
Output Signal	50 ± 15 nA/ppm	
Resolution	1 ppm	
Temperature Range	- 20 ℃ to + 50 ℃	
Pressure Range	Atmospheric ± 10 %	
Pressure Coefficient	No data	
t ₉₀ Response Time	< 25 sec	
Relative Humidity Range	15 % to 90 % R.H.	
	non-condensing	
Typical Baseline Range (pure	- 2 ppm to + 3 ppm	
air, 20℃)		
Maximum Zero Shift (+20℃	9 ppm equivalent	
to +40 ℃)		
Expected Long Term Output	< 2 % signal /month	
Drift		
Recommended Load Resistor	33 Ohm	
Bias Voltage	Not required	
Repeatability	< 2 % of signal	
Output Linearity	Linear	

CROSS-SENSITIVITY DATA

Interfering Gas	Concentration	Reading
H ₂	300 ppm	< 60 ppm
SO ₂	20 ppm	0 ppm
NO	35 ppm	0 ppm
NO2	20 ppm	0 ppm
H2S	50 ppm	0 ppm
Ethylene	100 ppm	0 ppm
Cl ₂	20 ppm	0 ppm

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

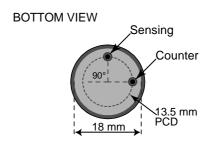
APPLICATIONS

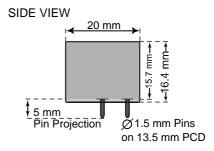
For Portable Gas Detectors

PHYSICAL CHARACTERISTICS

Weight	~ 5.4 g
Position Sensitivity	None
Storage Life	Six months in
	container
Recommended Storage	5 ℃ – 20 ℃
Temperature	
Warranty Period	12 months from date
	of dispatch

Miniature-Size Outline Dimensions





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.

REV.: 3/2005 Page 1 of 1

Phone: +41 43 311 72 00 Fax: +41 43 311 72 01 Email: info@membrapor.ch www.membrapor.ch MEMBRAPOR AG Birkenweg 2 CH-8304 Wallisellen Switzerland