MEMBRAPOR

SPECIFICATION SHEET FOR H₂ SENSOR TYPE H2/M-1000

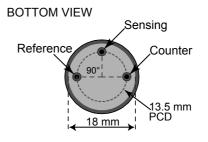
PERFORMANCE CHARACTERISTICS

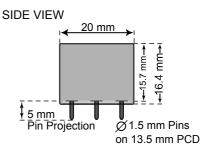
	0 4000	
Nominal Range	0 – 1000 ppm	
Maximum Overload	Nd	
Expected Operation Life	2 years in air	
Output Signal	25 ± 10 nA/ppm	
Resolution	1 ppm	
Temperature Range	- 20 °C to + 50 °C	
Pressure Range	Atmospheric ± 10 %	
Pressure Coefficient	No data	
t ₉₀ Response Time	< 60 sec	
Relative Humidity Range	15 % to 90 % R.H.	
	non-condensing	
Typical Baseline Range (pure	- 10 ppm to + 10 ppm	
air, 20°C)		
Maximum Zero Shift (+20°C to +40 °C)	20 ppm equivalent	
Expected Long Term Output	< 2 % signal	
Drift	loss/month	
Recommended Load Resistor	10 Ohm	
Bias Voltage	Not required	
Repeatability	< 5 % of signal	
Output Linearity	Linear	

PHYSICAL CHARACTERISTICS

Weight	~ 5.4 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

Miniature-Size Outline Dimensions





CROSS-SENSITIVITY DATA

Interfering Gas	Concentration	Reading
CO	100 ppm	< 20 ppm

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

APPLICATIONS

Safety and Environmental Control For Portable Gas Detectors

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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