

# MEMBRAPOR SPECIFICATION SHEET

## H2/C-2000

Hydrogen Gas Sensor in Compact Housing



### MEASUREMENT

Operation Principle	3-Electrode Electrochemical
Nominal Range	0 – 2'000 ppm
Maximum Overload	4'000 ppm
Inboard Filter	–
Output Signal	23 ± 8 nA/ppm
Resolution (Electronics dependent)	< 3 ppm
T90 Response Time	< 45 sec
Typical Baseline Range (pure air, 20°C)	-15 ppm to 15 ppm
Maximum Zero Shift (+20°C to +40°C)	30 ppm
Repeatability	< 2 % of signal
Output Linearity	Linear
Gain	–

### ELECTRICAL

Rec. Load Resistor	10 Ohm
Bias (V_Sens-V_Ref)	not recommended
Conformity to RoHS directive	RoHS Compliance

### ENVIRONMENTAL

Relative Humidity Range	15 % to 90 % R.H. non-condensing
Temperature Range	-20 °C to 50 °C
Pressure Range	Atmospheric ± 10%
Pressure Coefficient	N.D.
Humidity Effect	none

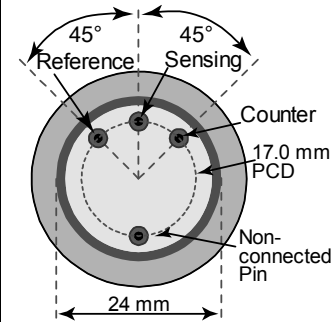
### LIFETIME

Expected Operation Life	2 years in air
Expected Long Term Output Drift in air	N.D.
Filter Life	–
Storage Life	6 months in container
Rec. Storage Temperature	5 °C – 20 °C
Warranty Period	12 months from date of dispatch

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

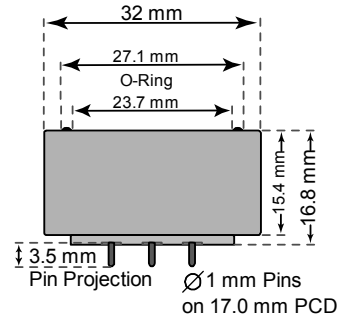
### Compact-Size Outline Dimensions

BOTTOM VIEW



± 0.10 mm

SIDE VIEW



### MECHANICAL

Weight	13 g
Position Sensitivity	None

### APPLICATIONS

Safety and Environmental Control  
Medical Applications

### CROSS-SENSITIVITY DATA

The table below does not claim to be complete.

Interfering Gas	Conc. ppm	Reading ppm
CO	600	100

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