

MEMBRAPOR SPECIFICATION SHEET

H2O2/MB-500



Hydrogen Peroxide Gas Sensor in Mini Housing

MEASUREMENT

Operation Principle	3-Electrode Electrochemical
Nominal Range	0 – 500 ppm
Maximum Overload	1'000 ppm
Inboard Filter	–
Output Signal	200 ± 50 nA/ppm
Resolution (Electronics dependent)	< 1 ppm
T90 Response Time	< 60 sec
Typical Baseline Range (pure air, 20°C)	0 ppm to 10 ppm
Maximum Zero Shift (+20°C to +40°C)	N.D.
Repeatability	< 2 % of signal
Output Linearity	Linear
Gain	–

ELECTRICAL

Rec. Load Resistor	10 Ohm
Bias (V_Sens-V_Ref)	+300 mV
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

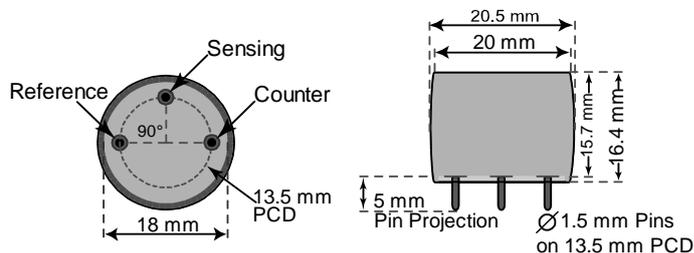
Expected Operation Life	2 years in air
Expected Long Term Output Drift in air	N.D.
Filter Life	–
Storage Life	6 months in container
Rec. Storage Temperature	5 °C – 20 °C
Warranty Period	12 months from date of dispatch

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

Miniature-Size Outline Dimensions

BOTTOM VIEW

SIDE VIEW



± 0.10 mm

MECHANICAL

Weight	5.5 g
Position Sensitivity	None

APPLICATIONS

Discontinuous Measurement
Sterilization Processes

CROSS-SENSITIVITY DATA

The table below does not claim to be complete. Interfering gases should not be used for calibration.

Interfering Gas	Conc. ppm	Reading ppm
SO ₂	100	100 ± 60

REV.: 01/2018

Phone: +41 43 311 72 00

Fax: +41 43 311 72 01

Email: info@membrapor.ch

www.membrapor.ch

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 from any omissions or errors herein. Customers should test under their own conditions, to ensure that the sensors are suitable for their own requirements.

Page 1 of 1

MEMBRAPOR AG

Birkenweg 2

CH-8304 Wallisellen

Switzerland