SPECIFICATION SHEET for AMMONIA SENSOR with FAST RESPONSE TYPE NH3/CR-200

PERFORMANCE CHARACTERISTICS

0 100 ppm
0 – 100 ppm
200 ppm
2 years in air
90 ± 18 nA/ppm
1 ppm
- 10 °C to 40 °C
Atmospheric ¹⁾
No data
< 50 sec
15 % to 90 % R.H.
non-condensing
0 ppm ± 4 ppm
-8 ppm
< 5% per 6 months
10 Ohm
Not allowed
< 3 % of signal
< 5 % full scale
< 4 ppm

¹⁾ no data for deviations

²⁾ abrupt changes in rel. humidity causes a short term transient signal

CROSS-SENSITIVITY DATA

Interfering Gas	Concentration	Reading
СО	300 ppm	0 ppm
H ₂	200 ppm	0 ppm
SO ₂ ³⁾	20 ppm	-7 ppm
H ₂ S ³⁾	20 ppm	7 ppm
NO ³⁾	20 ppm	-1 ppm
NO ₂ ³⁾	20 ppm	-20 ppm
Cl ₂	20 ppm	-55 ppm
CO2	2 %	0 ppm
C2H4	1000 ppm	0 ppm

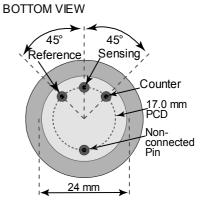
 $^{\scriptscriptstyle 3)}$ Long term exposures and high concentrations may affect the performance characteristics

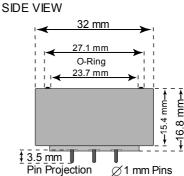
Performance data conditions: 20 $^\circ\text{C},\,50\%$ RH and 1013 mbar

PHYSICAL CHARACTERISTICS

Weight	~ 13 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

Compact-Size Outline Dimensions





 $\emptyset imes 0$ 1 mm Pins on 17.0 mm PCD

APPLICATIONS

Leak Detection Safety and Environmental Control

REV.: 4/2015

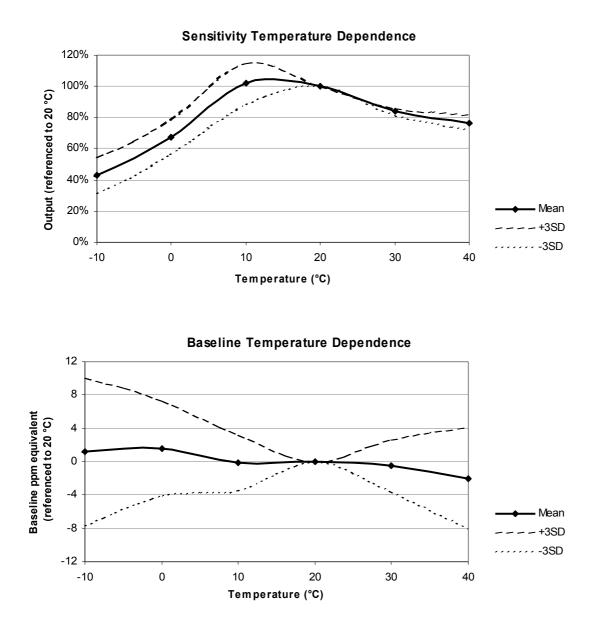
Phone: +41 43 311 72 00 Fax : +41 43 311 72 01 Email: info@membrapor.ch www.membrapor.ch Page 1 of 2

MEMBRAPOR AG Birkenweg 2 CH-8304 Wallisellen Switzerland

SPECIFICATION SHEET for AMMONIA SENSOR with FAST RESPONSE TYPE NH3/CR-200

TEMPERATURE DEPENDENCE

The output of an electrochemical sensor varies with temperature. The graphs below show the variation in output with temperature for this type of sensor. The results are shown in the graphs as a mean for a batch of sensors, along with confidence intervals corresponding to ± 3 times the standard deviation. The sensitivity dependence is expressed as a percentage of the signal at 20 °C. The shift in baseline is shown in ppm referenced to 20 °C.



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.: 4/2015

Phone: +41 43 311 72 00 Fax : +41 43 311 72 01 Email: info@membrapor.ch www.membrapor.ch Page 2 of 2

MEMBRAPOR AG Birkenweg 2 CH-8304 Wallisellen Switzerland