ЗАКАЗАТЬ: NH3/MR-500 сенсор аммиака 0-500 ppm

SPECIFICATION SHEET FOR NH3 SENSOR TYPE NH3/MR-500

PERFORMANCE CHARACTERISTICS

Nominal Range	0 – 500 ppm
Maximum Overload	ND
Expected Operation Life	2 years in air
Output Signal	35 ± 15 nA/ppm
Resolution	3 ppm
Temperature Range	- 10 ℃ to 50 ℃
Pressure Range	Atmospheric [1)]
Pressure Coefficient	No data
T_{90} Response Time	< 35 sec
Relative Humidity Range	15 % to 90 % R.H. non-condensing
Typical Baseline Range (pure air, 20℃)	0 ppm +/- 11 ppm
Maximum Zero Shift (+20℃ to +40℃)	ND
Expected Long Term Output Drift	< 5 % signal loss per 6 month
Recommended Load Resistor	10 - 20 Ohm
Bias Voltage	Not allowed
Repeatability	< 3 % of signal
Output Linearity	< 5 % full scale
Humidity Effect	< 10 ppm

CROSS-SENSITIVITY DATA

Interfering Gas	Concentration	Reading
CO	300 ppm	0 ppm
H_2	200 ppm	0 ppm
SO_2 [3)]	20 ppm	-7 ppm
H_2S [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

[3)] Long term exposures and high concentrations may affect the performance characteristics

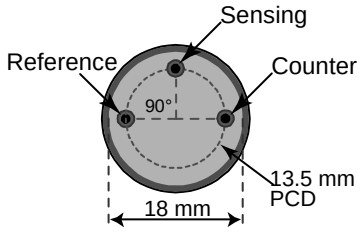
Performance data conditions:
20 ℃, 50% RH and 1013 mbar

PHYSICAL CHARACTERISTICS

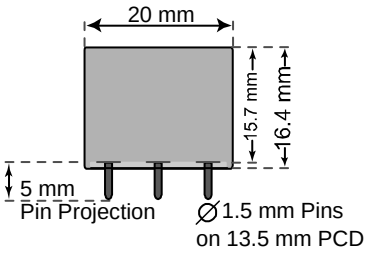
Weight	~ 5.4 g
Position Sensitivity	None
Storage Life	Six months in container
Recommended Storage Temperature	5 ℃ – 20 ℃
Warranty Period	12 months from date of dispatch

Miniature-Size Outline Dimensions

BOTTOM VIEW



SIDE VIEW



APPLICATIONS

Safety and Environmental Control
For Portable Gas Detectors

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Phone: +41 43 311 72 00
Fax : +41 43 311 72 01

MEMBRAPOR AG
Birkernweg 2
CH-8304 Wallisellen
Switzerland

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