

SPECIFICATION SHEET FOR HIGH SENSITIVE NO₂ SENSOR TYPE NO2 /C-1

PERFORMANCE CHARACTERISTICS

| | |
|---|---|
| Nominal Range | 0 – 1 ppm |
| Maximum Overload | 10 ppm |
| Expected Operation Life | 2 years in air |
| Output Signal | - 2'500 ± 1'000 nA/ppm |
| Resolution | 0.05 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 ⁽¹⁾ |
| Typical Baseline Range (pure air, 20°C) | < 0.05 ppm |
| Maximum Zero Shift (+20°C to +40°C) | - 0,1 ppm |
| Long Term Output Drift | < 2% signal loss/month |
| Recommended Load Resistor | 10 – 33 Ohm |
| Bias Voltage | Not required |
| Repeatability | < 2 % of signal |
| Output Linearity | Linear |

⁽¹⁾ The sensor has no protection against condensation

CROSS-SENSITIVITY DATA

| Interfering Gas | Concentration | Reading |
|-----------------|---------------|---------|
| CO | 300 ppm | 0 ppm |
| SO ₂ | 5 ppm | 0 ppm |
| NO | 35 ppm | 0 ppm |
| H ₂ | 300 ppm | 0 ppm |
| Ethylene | 100 ppm | 0 ppm |
| Cl ₂ | 5 ppm | 4 ppm |
| O ₃ | 2 ppm | 2.5 ppm |

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

APPLICATIONS

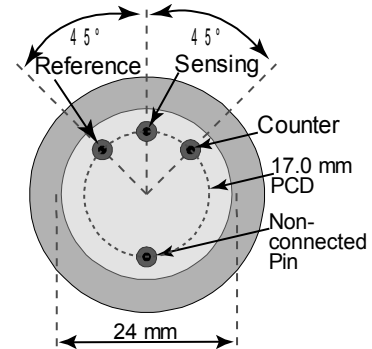
Continuous Air Quality Monitoring
Safety and Environmental Control

PHYSICAL CHARACTERISTICS

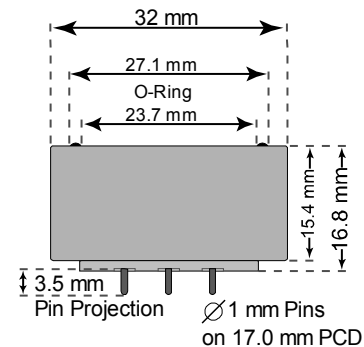
| | |
|---------------------------------|---------------------------------|
| Weight | ~ 13 g |
| Position Sensitivity | None |
| Storage Life | Six months in container |
| Recommended Storage Temperature | 5 °C – 20 °C |
| Warranty Period | 12 months from date of dispatch |

Compact-Size Outline Dimensions

BOTTOM VIEW



SIDE VIEW



ATTENTION

Do not press anything against the grid on the top.

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

MEMBRAPOR AG
Birkenweg 2
CH-8304 Wallisellen
Switzerland