

SPECIFICATION SHEET FOR NO SENSOR TYPE NO/S-100-S**PERFORMANCE CHARACTERISTICS**

| | |
|---|-------------------------------------|
| Nominal Range | 0 – 100 ppm |
| Maximum Overload | ND |
| Expected Operation Life | 3 years in air |
| Output Signal | 550 ± 110 nA/ppm |
| Resolution | 0,5 ppm |
| Temperature Range | - 20 °C to 45 °C |
| Pressure Range | Atmospheric ± 10% |
| Pressure Coefficient | No data |
| T ₉₀ Response Time | < 25 sec |
| Relative Humidity Range | 15 % to 90 % R.H. non-condensing |
| Typical Baseline Range (pure air, 20°C) | +1 to + 4 ppm ¹⁾ |
| Maximum Zero Shift (+20°C to +40°C) | 12 ppm |
| Long Term Output Drift | < 2% signal loss/month |
| Recommended Load Resistor | 10 Ohm |
| Bias Voltage | + 300 mV |
| Repeatability | < 2 % of signal |
| Output Linearity | Linear |

¹⁾ Sensors not older than a few weeks show typical baseline values of ~ 30 - 40 ppm after 12 h stabilisation in biased operation. After two days the baseline stabilises to the specified value. Sensors older than a few month will stabilise faster.

CROSS-SENSITIVITY DATA

| Interfering Gas | Concentration | Reading |
|------------------|---------------|------------------|
| CO | 300 ppm | 0 ppm |
| SO ₂ | | ND ²⁾ |
| H ₂ S | 15 ppm | < 5 ppm |
| NO ₂ | 10 ppm | < 3 ppm |
| H ₂ | 300 ppm | 0 ppm |

²⁾ To remove effect of SO₂ use NO/SF-100

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

APPLICATIONS

Safety and Environmental Control

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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PHYSICAL CHARACTERISTICS

| | |
|---------------------------------|---------------------------------|
| Weight | ~ 27 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 |

Slim-Size Outline Dimensions