

MEMBRAPOR

SPECIFICATION SHEET FOR H₂S SENSOR TYPE H2S/S-50

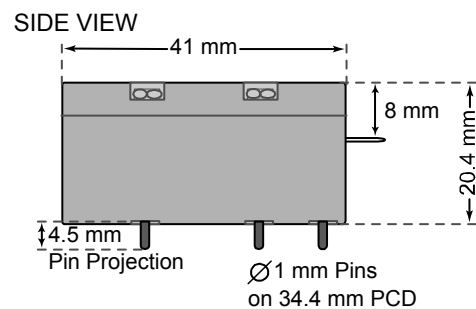
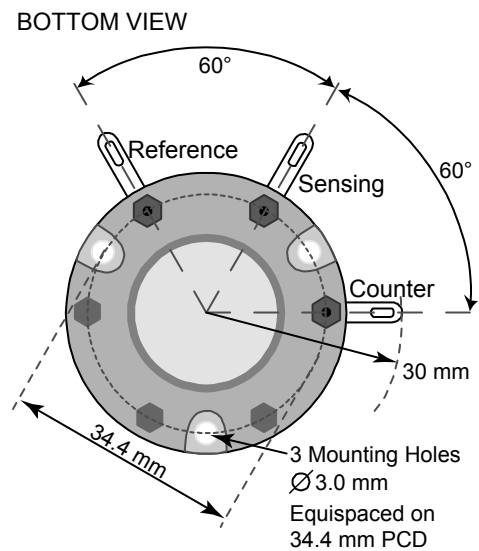
PERFORMANCE CHARACTERISTICS

| | |
|---|-------------------------------------|
| Nominal Range | 0 – 50 ppm |
| Maximum Overload | 500 ppm |
| Expected Operation Life | 2 years in air |
| Output Signal | 1700 ± 300 nA/ppm |
| Resolution | 0,05 ppm |
| Temperature Range | - 40 °C to 50 °C |
| Pressure Range | Atmospheric ¹⁾ |
| Pressure Coefficient | No data |
| T ₉₀ Response Time | < 60 sec |
| Relative Humidity Range | 15 % to 90 % R.H. non-condensing |
| Typical Baseline Range (pure air, 20°C) | < 0,3 ppm |
| Maximum Zero Shift (+20°C to +40°C) | 0,1 ppm |
| Expected Long Term Output Drift | < 2 % signal loss/month |
| Recommended Load Resistor | 10 Ohm |
| Bias Voltage | Not recommended |
| Repeatability | < 2 % of signal |
| Output Linearity | Linear |

PHYSICAL CHARACTERISTICS

| | |
|---------------------------------|---------------------------------|
| Weight | ~ 32 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 |

Standard-Size Outline Dimensions



CROSS-SENSITIVITY DATA

| Interfering Gas | Concentration | Reading |
|-----------------|---------------|-----------|
| CO | 100 ppm | < 2 ppm |
| SO ₂ | 50 ppm | < 8 ppm |
| NO | 35 ppm | < 2 ppm |
| NO ₂ | 5 ppm | ~ - 1 ppm |
| HCl | 20 ppm | 0 ppm |
| H ₂ | | < 1 ppm |

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

APPLICATIONS

Continuous Air Quality Monitoring
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.

REV.: 1/2006

Page 1 of 1

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

MEMBRAPOR AG
Rautistrasse 164
CH-8048 Zürich
Switzerland