

MEMBRAPOR ELECTROCHEMICAL GAS SENSORS

SPECIFICATION SHEET FOR H₂S SENSOR TYPE H2S/M-200-2E

PERFORMANCE CHARACTERISTICS

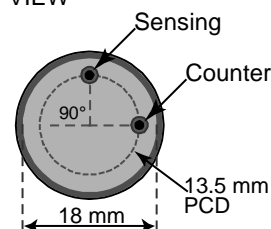
| | |
|---|-------------------------------------|
| Nominal Range | 0 – 200 ppm |
| Maximum Overload | Nd |
| Expected Operation Life | 2 years in air |
| Output Signal | 250 ± 50 nA/ppm |
| Resolution | 0.2 ppm |
| Temperature Range | - 40 °C to + 50 °C |
| Pressure Range | Atmospheric ± 10 % |
| Pressure Coefficient | No data |
| t ₉₀ Response Time | < 60 sec |
| Relative Humidity Range | 15 % to 90 % R.H. non-condensing |
| Typical Baseline Range (pure air, 20°C) | - 1 ppm to + 1 ppm |
| Maximum Zero Shift (+20°C to +40 °C) | 0.2 ppm equivalent |
| Expected Long Term Output Drift | < 2 % signal loss/month |
| Recommended Load Resistor | 10 Ohm |
| Bias Voltage | Not required |
| Repeatability | < 2 % of signal |
| Output Linearity | Linear |

PHYSICAL CHARACTERISTICS

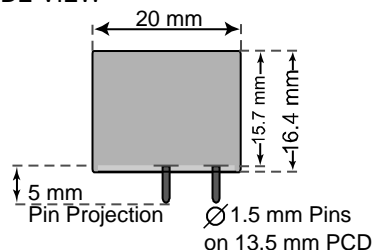
| | |
|---------------------------------|---------------------------------|
| Weight | ~ 5.4 g |
| Position Sensitivity | None |
| Storage Life | Six months in container |
| Recommended Storage Temperature | 5 °C – 20 °C |
| Warranty Period | 12 months from date of dispatch |

Miniature-Size Outline Dimensions

BOTTOM VIEW



SIDE VIEW



CROSS-SENSITIVITY DATA

| Interfering Gas | Concentration | Reading |
|-----------------|---------------|---------|
| CO | 300 ppm | < 3 ppm |
| H ₂ | 300 ppm | < 3 ppm |

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

APPLICATIONS

For Portable Gas Detectors

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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Page 1 of 1

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