MEMBRAP O R

SPECIFICATION SHEET FOR FORMALDEHYDE-SENSOR TYPE CH2O/S-10

PERFORMANCE CHARACTERISTICS

| Nominal Range | 0 – 10 ppm |
|-------------------------------|------------------------------------|
| Maximum Overload | 50 ppm |
| Expected Operation Life | 3 years in air |
| Output Signal | 1'200 ± 300 nA/ppm ¹⁾ |
| | 800 ± 200 nA/ppm ²⁾ |
| Resolution | 0,05 ppm |
| Temperature Range | - 20 °C to 45 °C |
| Pressure Range | Atmospheric |
| Pressure Coefficient | No data |
| T ₉₀ Response Time | < 50 sec |
| Relative Humidity Range | 15 % to 90 % R.H. |
| | non-condensing |
| Typical Baseline Range (pure | -2 to 0 ppm |
| air, 20°C) | |
| Maximum Zero Shift (+20°C to | 1 ppm |
| +40°C) | |
| Expected Long Term Output | < 2 % signal |
| Drift | loss/month |
| Recommended Load Resistor | 10 Ohm |
| Bias Voltage | Not recommended |
| Repeatability | < 2 % of signal |
| Output Linearity | Linear |
| Humidity Effect | Abrupt changes in rel. |
| | humidity causes a short |
| | term transient signal |
| Calibration | By fumigation of |
| | paraformaldehyde tablets |

¹⁾ In flue gas monitoring instruments

²⁾ In air quality control systems

CROSS-SENSITIVITY DATA

| Interfering Gas | Cross-Sensitivity (%) |
|--|-----------------------|
| H2 | < 20 |
| СО | < 80 |
| Interference from other reducing gases, such as alcohols | |

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

APPLICATIONS

Continuous Air Quality Monitoring

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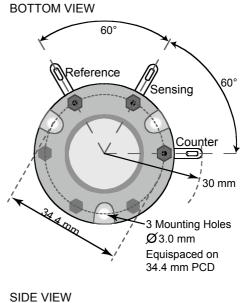
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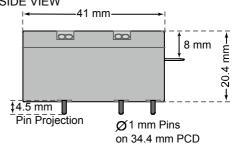
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PHYSICAL CHARACTERISTICS

| Weight | ~ 32 g |
|----------------------|---------------------|
| Position Sensitivity | None |
| Storage Life | Six months in |
| | container |
| Recommended Storage | 5 °C – 20 °C |
| Temperature | |
| Warranty Period | 12 months from date |
| | of dispatch |

Standard-Size Outline Dimensions





Page 1 of 1

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