# DAVITEQ FORMALDEHYDE GAS SENSOR CH2O, 10 PPM, SERI-4

## SENSOR SPECIFICATION

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|---|---|
| **MEASURING SPECIFICATION** | |
| Sensor type | Daviteq Seri-4 electro-chemical gas sensor |
| Nominal range | 0-10 ppm |
| Maximum overload | 30 ppm |
| Filter | - |
| Resolution | 0.01 ppm |
| T90 response time | < 30 s |
| Typical Baseline Range (pure air, 20°C) | -0.1 ppm .. + 0.1 ppm |
| Repeatability | < 2% of reading |
| Accuracy | < +/- 5% of reading |
| **WORKING CONDITIONS** | |
| Relative humidity range | 15 % to 90 % RH non-condensing<br>** Abrupt changes in RH causes a short term transient signal |
| Temperature range | -40 °C to 50 °C |
| Pressure range | Atmospheric ± 10% |
| **SENSOR LIFETIME** | |
| Expected Operation Life | 3 years in the air |
| Expected Long-Term Output Drift in air | < 2 % of reading loss per month |

***We have other ranges: 50 ppm, and 1000 ppm.***

## CROSS SENSITIVITY DATA

| Interfering Gas | Concentration (ppm) | Reading (ppm) |
|---|---|---|
| CO2 | 100 | < 20 |
| Ethanol (C2H5OH) | 30 | 1 |
| H2 | 100 | 5 |
| H2S | 20 | ~ 20 |
| Methanol (CH3OH) | 80 | 10 |
| Methyl Mercaptan (MM, CH3SH) | 10 | ~6 |
| Tert-Butyl Mercaptan (TBM, (CH3)3CSH) | 10 | ~6 |

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Created Tue, Dec 9, 2025 4:10 PM by Lộc Vĩnh Nguyễn
Updated Tue, Dec 9, 2025 4:16 PM by Lộc Vĩnh Nguyễn