

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

SENSOR SPECIFICATION

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 ** 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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