

Product Datasheet: Formaldehyde Sensors

Where two values are shown, they are for HIGH and LOW sensitivity respectively

Range	0 - 5/25 ppm
Overload	5/25 ppm
Filtering	Carbon and glass fibre
Expected life	5 years in non-corrosive atmosphere
Output signal	2000/400 nA/ppm
Temperature range	-10 to +40°C
Pressure range	Withstands 10 atmospheres pressure
Pressure coefficient	TBA
T90 response time	60 seconds at 20°C
Relative humidity range	15% - 90% non-condensing
Typical baseline offset (20°C)	0.01/0.05 ppm formaldehyde equivalent
Typical baseline offset (40°C)	0.05/0.25 ppm formaldehyde equivalent
Typical long term output drift	< 10% per year
Interfacing requirements	Refer to applications notes
Repeatability	< +/- 2%
Output linearity	TBA
Temperature coefficient of response	TBA
Position sensitivity	None
Storage life	Two years at 20°C
Warranty	Two years in non-corrosive atmosphere
Weight	10g
Dimensions	40mm x 35mm x 9.5mm

Values are typical, but without implied guarantee

SENSITIVITY DATA	
Chemical	Relative sensitivity
Methanol	0.1
Ethanol	0.1
Isopropanol	0.02
Carbon monoxide	0.025
Phenol	0.02
Hydrogen	0.02
Sulphur dioxide	0.025
Carbon dioxide	0
Acetone	0