

Catalytic Bead Sensor Technical Specification

PERFORMANCE

Recommended Voltage	2.0V +/- 0.1V
Current Drawn	300 +/- 20mA
Zero Offset:	0mV +/- 25mV
Minimum Sensitivity	20mV/% CH ₄ /Air
Range	0-100% LEL
Accuracy	+/- 1%LEL(CH ₄)
Response Time	T50: 3 sec T90: 8 sec
Linearity	Effectively Linear to 100%LEL

LIFETIME

Maximum long term zero drift	< +/- 1% Signal/Month
Maximum long term span drift	< +/- ½ mV/Month

ENVIRONMENTAL

Temperature Range	-20°C to +70°C
Temperature Drift	(-20°C to +70°C): < +/- 2%LEL
Humidity	0-100%RH, non-condensing
Humidity Response	+/- 1%LEL

CROSS SENSITIVITY (Sensitivity to methane is assumed to be 100%.)

Gas/Vapor	Relative sensitivity (%)	Gas/Vapor	Relative sensitivity (%)
Acetic acid	40	Iso-propanol	70
Acetone	60	Methanol	105
Butyl acetate	40	Methyl ethyl ketone	70
Cyclo-hexane	45	N-butane	80
Cyclo-pentane	50	N-heptane	65
Dioxane	55	N-hexane	70
Ethane	85	N-pentane	75
Ethanol	70	N-propanol	70
Ethyl acetate	55	Propane	85
Ethylene	85	Styrene	40
Hydrogen	105	Toluene	55
Iso-butane	80	Ammonia	120
Iso-butyl alcohol	40	Propylene	75
Iso-octane	60	Carbon monoxide	100
Iso-pentane	75	Xylene	45



At the end of the product's life, do not dispose of any electronic sensor, component or instrument in the domestic waste, but contact the instrument manufacturer, or its