

ELECTROCHEMICAL GAS SENSORS

SPECIFICATION SHEET FOR NO SENSOR TYPE NO/M-250

PERFORMANCE CHARACTERISTICS

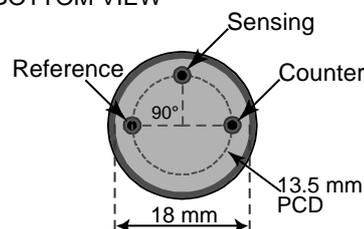
Nominal Range	0 – 250 ppm
Maximum Overload	Nd
Expected Operation Life	2 years in air
Output Signal	360 ± 80 nA/ppm
Resolution	0,5 ppm
Temperature Range	- 20 °C to + 50 °C
Pressure Range	Atmospheric ± 10 %
Pressure Coefficient	No data
t ₉₀ Response Time	< 30 sec
Relative Humidity Range	15 % to 90 % R.H. non-condensing
Typical Baseline Range (pure air, 20°C)	0 ppm to + 4 ppm
Maximum Zero Shift (+20°C to +40 °C)	6 ppm equivalent
Expected Long Term Output Drift	< 2 % signal loss/month
Recommended Load Resistor	10 Ohm
Bias Voltage	+ 300 mV
Repeatability	< 2 % of signal
Output Linearity	Linear

PHYSICAL CHARACTERISTICS

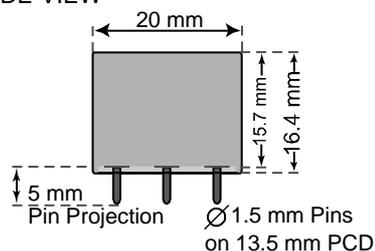
Weight	~ 5.4 g
Position Sensitivity	None
Storage Life	Six months in container
Recommended Storage Temperature	5 °C – 20 °C
Warranty Period	12 months from date of dispatch

Miniature-Size Outline Dimensions

BOTTOM VIEW



SIDE VIEW



CROSS-SENSITIVITY DATA

Interfering Gas	Concentration	Reading
CO	300 ppm	0 ppm
H ₂ S	15 ppm	< 5 ppm
NO ₂	20 ppm	< 5 ppm
H ₂	300 ppm	0 ppm
SO ₂	5 ppm	0 ppm

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

APPLICATIONS

Safety and Environmental Control
For Portable Gas Detectors

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