

## SPECIFICATION SHEET FOR HIGH SENSITIVE H<sub>2</sub>S SENSOR TYPE H2S/M-50

### PERFORMANCE CHARACTERISTICS

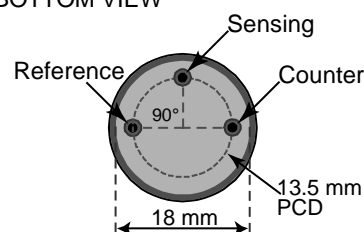
Nominal Range	0 – 50 ppm
Maximum Overload	Nd
Expected Operation Life	2 years in air
Output Signal	1'200 ± 250 nA/ppm
Resolution	0,05 ppm
Temperature Range	- 40 °C to + 50 °C
Pressure Range	Atmospheric ± 10 %
Pressure Coefficient	No data
t <sub>90</sub> Response Time	< 25 sec
Relative Humidity Range	15 % to 90 % R.H. non-condensing
Typical Baseline Range (pure air, 20°C)	- 0,1 ppm to +0,1 ppm
Maximum Zero Shift (+20°C to +40 °C)	0,1 ppm equivalent
Expected Long Term Output Drift	< 2 % signal loss/month
Recommended Load Resistor	10 Ohm
Bias Voltage	Not required
Repeatability	< 2 % of signal
Output Linearity	Linear

### PHYSICAL CHARACTERISTICS

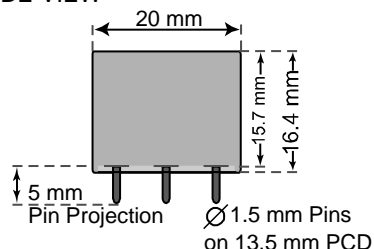
Weight	~ 5.4 g
Position Sensitivity	None
Storage Life	Six months in container
Recommended Storage Temperature	5 °C – 20 °C
Warranty Period	12 months from date of dispatch

### Miniature-Size Outline Dimensions

#### BOTTOM VIEW



#### SIDE VIEW



### CROSS-SENSITIVITY DATA

Interfering Gas	Concentration	Reading
CO	200 ppm	< 1.2 ppm
H <sub>2</sub>	200 ppm	< 1.2 ppm

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

### APPLICATIONS

Continuous Air Quality Monitoring  
For Portable Gas Detectors

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