

## SPECIFICATION SHEET FOR CO Sensor Type CO/MF-2E

### PERFORMANCE CHARACTERISTICS

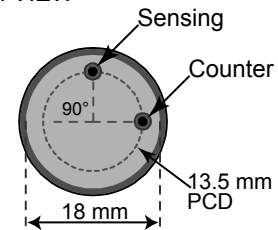
Nominal Range	0 – 300 ppm
Maximum Overload	Nd
Expected Operation Life	> 2 years in air
Output Signal	50 ± 15 nA/ppm
Resolution	1 ppm
Temperature Range	- 20 °C to + 50 °C
Pressure Range	Atmospheric ± 10 %
Pressure Coefficient	No data
t <sub>90</sub> Response Time	< 25 sec
Relative Humidity Range	15 % to 90 % R.H. non-condensing
Typical Baseline Range (pure air, 20°C)	- 2 ppm to + 3 ppm
Maximum Zero Shift (+20°C to +40 °C)	9 ppm equivalent
Expected Long Term Output Drift	< 2 % signal /month
Recommended Load Resistor	33 Ohm
Bias Voltage	Not required
Repeatability	< 2 % of signal
Output Linearity	Linear

### PHYSICAL CHARACTERISTICS

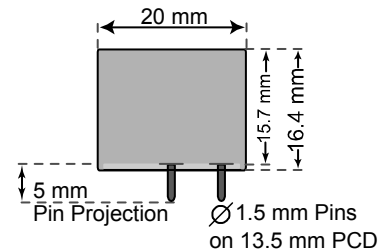
Weight	~ 5.4 g
Position Sensitivity	None
Storage Life	Six months in container
Recommended Storage Temperature	5 °C – 20 °C
Warranty Period	12 months from date of dispatch

### Miniature-Size Outline Dimensions

BOTTOM VIEW



SIDE VIEW



### CROSS-SENSITIVITY DATA

Interfering Gas	Concentration	Reading
H <sub>2</sub>	300 ppm	< 60 ppm
SO <sub>2</sub>	20 ppm	0 ppm
NO	35 ppm	0 ppm
NO <sub>2</sub>	20 ppm	0 ppm
H <sub>2</sub> S	50 ppm	0 ppm
Ethylene	100 ppm	0 ppm
Cl <sub>2</sub>	20 ppm	0 ppm

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

### APPLICATIONS

For Portable Gas Detectors

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