

## SPECIFICATION SHEET FOR CO SENSOR TYPE CO/MFA-500 WITH H<sub>2</sub> COMPENSATION

### PERFORMANCE CHARACTERISTICS

Nominal Range	0 – 500 ppm
Maximum Overload	Nd
Expected Operation Life	2 years in air
Output Signal	70 ± 15 nA/ppm
Inboard Filter	To remove H <sub>2</sub> S and SO <sub>2</sub>
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 loss/month
Recommended Load Resistor	10 Ohm
Bias Voltage	Not required
Repeatability	< 2 % of signal
Output Linearity	Linear

### CROSS-SENSITIVITY DATA

Interfering Gas	Concentration	Reading
H <sub>2</sub>	100 ppm	< 10 ppm
H <sub>2</sub> S	15 ppm	< 0.5 ppm
NO	35 ppm	< 3 ppm
NO <sub>2</sub>	10 ppm	0 ppm

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

### APPLICATIONS

CO Detection in CO/H<sub>2</sub>-Mixtures  
Safety and Environmental Control  
For Portable Gas Detectors

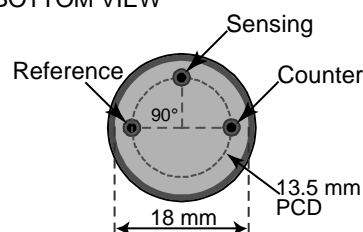
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### PHYSICAL CHARACTERISTICS

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

