



## SPECIFICATION SHEET FOR CO SENSOR COMPACT

### CO-7/1000

Nominal Range 0 – 1000 ppm  
Maximum Overload 2000 ppm  
Expected Operation Life 3 years in air  
Output Signal 120 +/- 20 nA/ppm  
Resolution 1.0 ppm  
Temperature Range - 30 °C to + 30 °C  
Pressure Range Atmospheric +/-10 %  
 $t_{90}$  Response Time < 30 sec  
Relative Humidity Range 15 % to 90 % R.H. non-condensing  
Typical Baseline Range (pure air, 20°C) – +/- 7 ppm  
Maximum Zero Shift (+20°C to +40 °C) 2.0 ppm  
Expected Long Term Output Drift < 1 % signal loss/month  
Recommended Load Resistor 10 Ohm  
Bias Voltage Not required  
Repeatability < 2 % of signal  
Output Linearity Linear

Weight ~ 28 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

#### PERFORMANCE CHARACTERISTICS

##### CROSS-SENSITIVITY DATA

Interfering Gas Concentration Reading

H<sub>2</sub>S 20 ppm < 50 ppm

SO<sub>2</sub> 20 ppm < 10 ppm

NO<sub>2</sub> 10 ppm -5.0 ppm

Performance data conditions:

20 °C, 50% RH and 1013 mbar

##### APPLICATIONS

Safety and Environmental Control  
For Portable Gas Detectors

