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# **Applications & Features**

- Ideal for portable and fixed instrument
- Industrial safety (hydrogen storage, refineries)
- Ftc



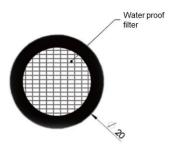
# **Specifications**

Performance Characteristics		
Output Signal	30±10 nA / ppm	
Typical Baseline Range (pure air, @ 20°C)	≤ ±3 ppm H <sub>2</sub> equivalent	
Response Time (T90)	< 30 seconds	
Filter	Filter to reduce CO interference	
Measurement Range	0-1,000 ppm	
Maximum Overload	2,000 ppm	
Linearity	Linear	
Repeatability	2% of signal	
Recommended Load Resistor	10 ohms	
Resolution (Electronics Dependent)	< 2 ppm typical	
Bias Voltage	0 mV	
Environmental Environmental		
Temperature Range Continuous	-20°C to +50°C	
Pressure Range	800 to 1200 mbar	
Operating Humidity Range	15% to 90% RH	
Lifetime		
Long Term Output Drift	< 5% per annum	
Recommended Storage Temp	0°C to 20°C	
Expected Operating Life	> 24 months in air	
Standard Warranty	24 months from date of dispatch	
Intrinsic Safety Data		
Maximum at 2,000 ppm	50 mA	
Maximum o/c Voltage	< 1.0 V	
Maximum s/c Current	< 0.1 A	

#### **Dimension**



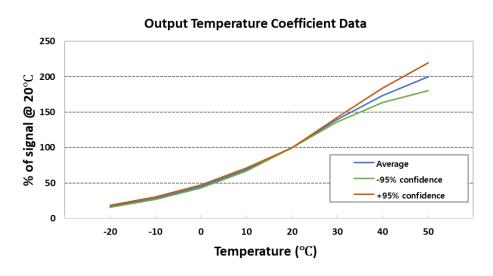




Due to ongoing research and product improvement, specifications are subject to change without notice.

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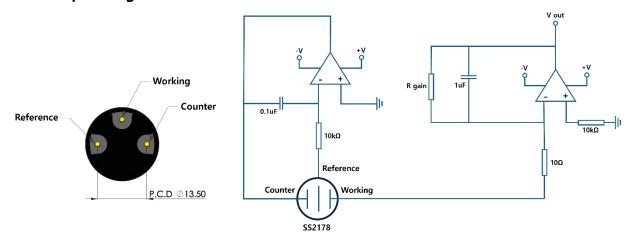
### **Temperature Effects**



#### **Cross Sensitivity**

Gas	Concentration [ppm]	Reading [ppm]
Hydrogen	500	500
Carbon Monoxide	100	< 20
Sulfur Dioxide	10	0
Hydrogen Sulfide	50	< 10
Nitric Oxide	200	< 45
Nitrogen Dioxide	5	0

# Standard Operating Circuit



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