

## SPECIFICATION SHEET FOR H<sub>2</sub> SENSOR TYPE H2/SA-1000

### PERFORMANCE CHARACTERISTICS

Nominal Range	0 – 1'000 ppm
Maximum Overload	2'000 ppm
Expected Operation Life	2 years in air
Output Signal	17 – 40 nA/ppm
Resolution	2 ppm
Temperature Range	0 °C to 45 °C <sup>1)</sup>
Pressure Range	Atmospheric ± 10%
Pressure Coefficient	No data
T <sub>90</sub> Response Time	< 50 sec
Relative Humidity Range	15 % to 90 % R.H. non-condensing
Typical Baseline Range (pure air, 20°C)	< 10 ppm
Maximum Zero Shift (+20°C to +40°C)	No data yet
Long Term Output Drift	< 2% signal loss/month
Recommended Load Resistor	10 Ohm
Bias Voltage	Not recommended
Repeatability	< 5 % of signal
Output Linearity	Linear

<sup>1)</sup> CO cross sensitivity can be > 5% below 0 °C.

### CROSS-SENSITIVITY DATA

Interfering Gas	Concentration	Reading
CO	100 ppm	< 2 ppm <sup>2)</sup>

<sup>2)</sup> for temperature ≥ 20 °C

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

### APPLICATIONS

H<sub>2</sub> Detection in H<sub>2</sub>/CO-Mixtures  
Safety and Environmental Control

Note:  
The sensor must be operated by using a suitable gas ket for gas flow exposure

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### PHYSICAL CHARACTERISTICS

Weight	~ 32 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

### Standard-Size Outline Dimensions

