

SPECIFICATION SHEET FOR H₂ SENSOR TYPE H2/SA-20000-S

PERFORMANCE CHARACTERISTICS

Nominal Range	0 – 20'000 ppm
Maximum Overload	40'000 ppm
Expected Operation Life	2 years in air
Output Signal	2 ± 1 nA/ppm
Resolution	40 ppm
Temperature Range	0 °C to 45 °C ¹⁾
Pressure Range	Atmospheric ± 10%
Pressure Coefficient	No data
T ₉₀ Response Time	< 40 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

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

CROSS-SENSITIVITY DATA

Interfering Gas	Concentration	Reading
CO	1000 ppm	< 10 ppm ²⁾
H ₂ S	20 ppm	0 ppm

²⁾ for temperature ≥ 20 °C

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

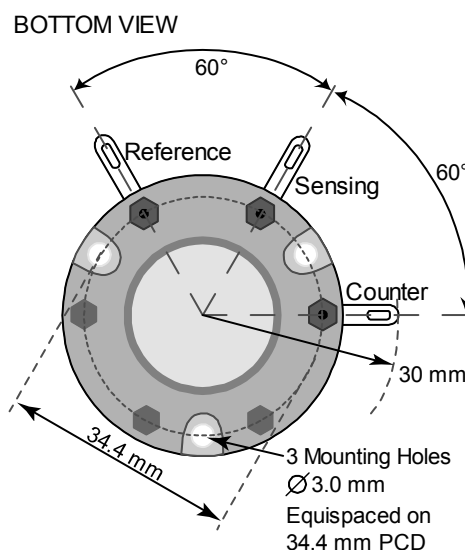
APPLICATIONS

H₂ Detection in H₂/CO-Mixtures
Safety and Environmental Control

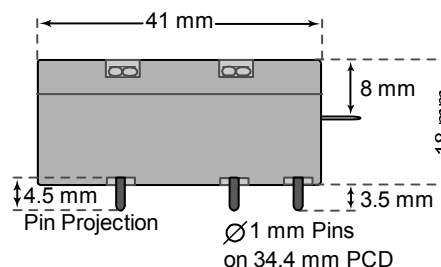
PHYSICAL CHARACTERISTICS

Weight	~ 27 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

Slim-Size Outline Dimensions



SIDE VIEW



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