SPECIFICATION SHEET FOR H_2S SENSOR TYPE H2S/CD-5000

PERFORMANCE CHARACTERISTICS

Nominal Range	0 – 5'000 ppm
Maximum Overload	10'000 ppm
Expected Operation Life	2 years in air
Output Signal	15 ± 5 nA/ppm
Resolution	8 ppm
Temperature Range	- 20 °C to 40 °C
Pressure Range	Atmospheric ± 10%
Pressure Coefficient	No data
T_{90} Response Time	< 60 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)	10 ppm
Expected Long Term Output Drift in air	< 2% signal loss/month
Recommended Load Resistor	10 Ohm
Bias Voltage	Not recommended
Repeatability	< 2 % of signal
Output Linearity	Linear

CROSS-SENSITIVITY DATA

Interfering Gas	Concentration	Reading
H_2	12'000 ppm	< 100 ppm
CO	500 ppm	< 10 ppm
SO_2	500 ppm	0 ppm
NO	350 ppm	< 20 ppm
NO_2	50 ppm	~ - 10 ppm
HCl	25 ppm	0 ppm
NH3	50 ppm	0 ppm
CO2	50 %	0 ppm

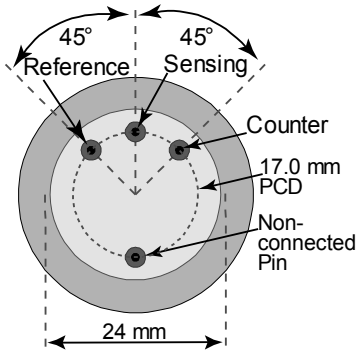
Performance data conditions:
20 °C, 50% RH and 1013 mbar

PHYSICAL CHARACTERISTICS

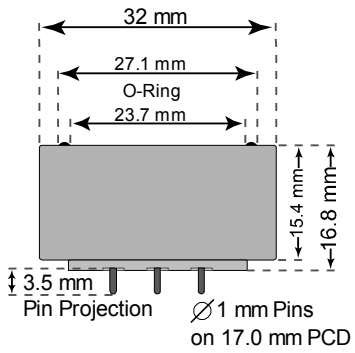
Weight	~ 13 g
Position Sensitivity	None
Storage Life	12 months in container
Recommended Storage Temperature	5 °C – 20 °C
Warranty Period	12 months from date of dispatch

Compact-Size Outline Dimensions

BOTTOM VIEW



SIDE VIEW



APPLICATIONS

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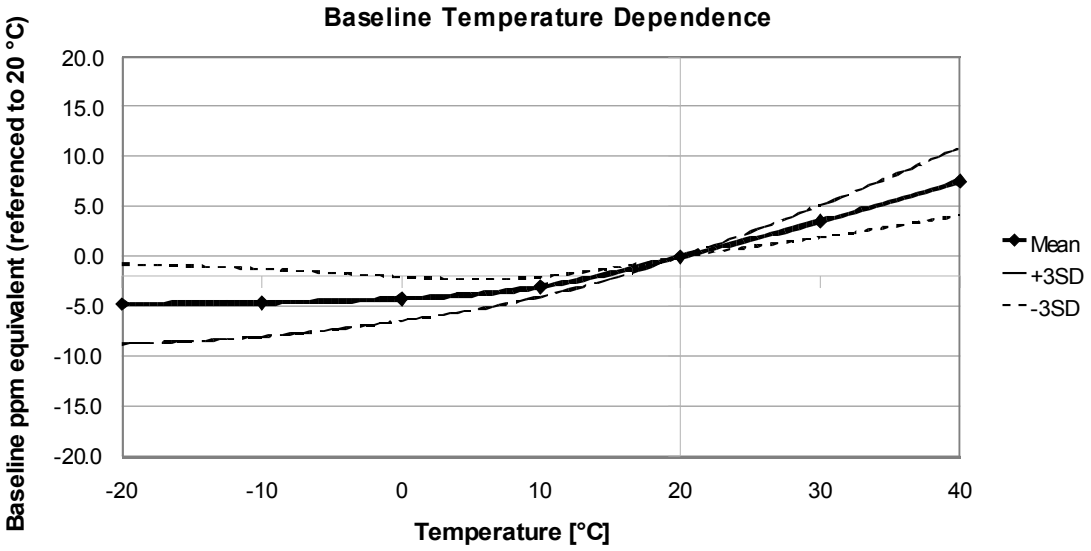
SPECIFICATION SHEET FOR H_2S SENSOR TYPE H2S/CD-5000

TEMPERATURE DEPENDENCE

The output of a D-type sensor varies with temperature individually. It is recommended to determine it for each sensor. At temperatures > 40 °C the sensitivity can change permanently.

The shift in baseline is shown in ppm referenced to 20 °C.



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