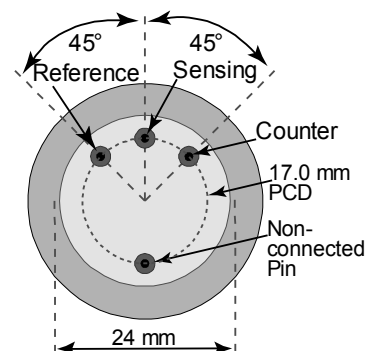
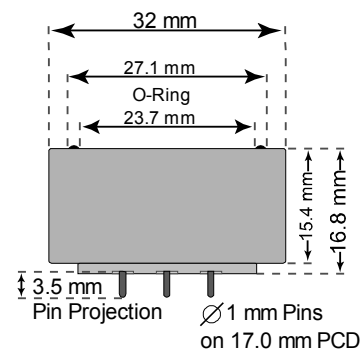


SPECIFICATION SHEET FOR H₂S SENSOR TYPE H2S/CD-100**PERFORMANCE CHARACTERISTICS**

Nominal Range	0 – 100 ppm
Maximum Overload	1'000 ppm
Expected Operation Life	2 years in air
Output Signal	100 ± 30 nA/ppm
Resolution	0.5 ppm
Temperature Range	- 20 °C to 40 °C
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)	-1 to 1 ppm
Maximum Zero Shift (+20°C to +40°C)	2 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

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****CROSS-SENSITIVITY DATA**

Interfering Gas	Concentration	Reading
H ₂	100 ppm	< 1 ppm
CO	50 ppm	< 1 ppm
SO ₂	50 ppm	0 ppm
NO	35 ppm	< 2 ppm
NO ₂	50 ppm	~ - 10 ppm
HCl	25 ppm	0 ppm
NH ₃	50 ppm	0 ppm
CO ₂	50 %	0 ppm

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

APPLICATIONS

REV.: 07/2012

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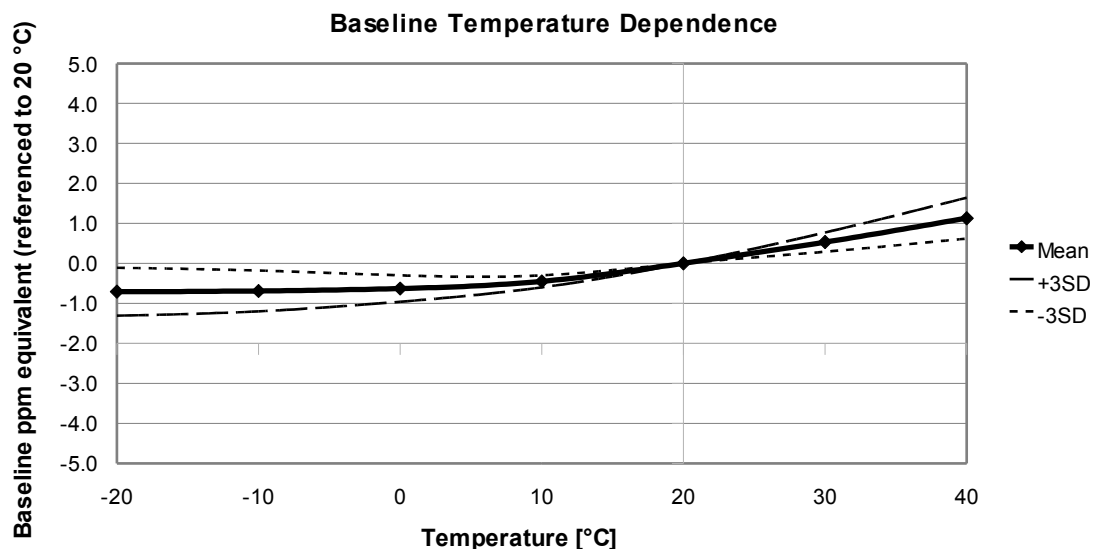
MEMBRAPOR AG
Birkenweg 2
CH-8304 Wallisellen
Switzerland

SPECIFICATION SHEET FOR H₂S SENSOR TYPE H2S/CD-100

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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