SPECIFICATION SHEET FOR H_2S SENSOR TYPE H2S/SD-20000

PERFORMANCE CHARACTERISTICS

Nominal Range	0 – 20'000 ppm
Maximum Overload	30'000 ppm
Expected Operation Life	2 years in air
Output Signal	10 ± 5 nA/ppm
Resolution	20 ppm
Temperature Range	- 20 °C to 40 °C
Pressure Range	Atmospheric [1)]
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)	< 20 ppm
Maximum Zero Shift (+20°C to +40°C)	20 ppm
Expected Long Term Output Drift	< 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
CO	100 ppm	< 1 ppm
SO_2	50 ppm	0 ppm
NO	35 ppm	< 2 ppm
NO_2	5 ppm	~ - 1 ppm
HCl	20 ppm	0 ppm
H_2		< 1 ppm

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

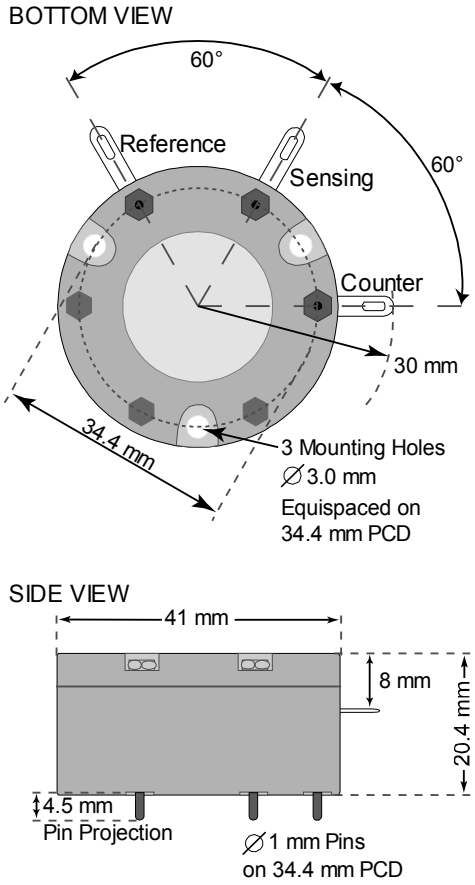
APPLICATIONS

For high H2S-concentrations in discontinuous mode

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



Phone: +41 43 311 72 00
Fax : +41 43 311 72 01
Email: info@membrapor.ch
www.membrapor.ch

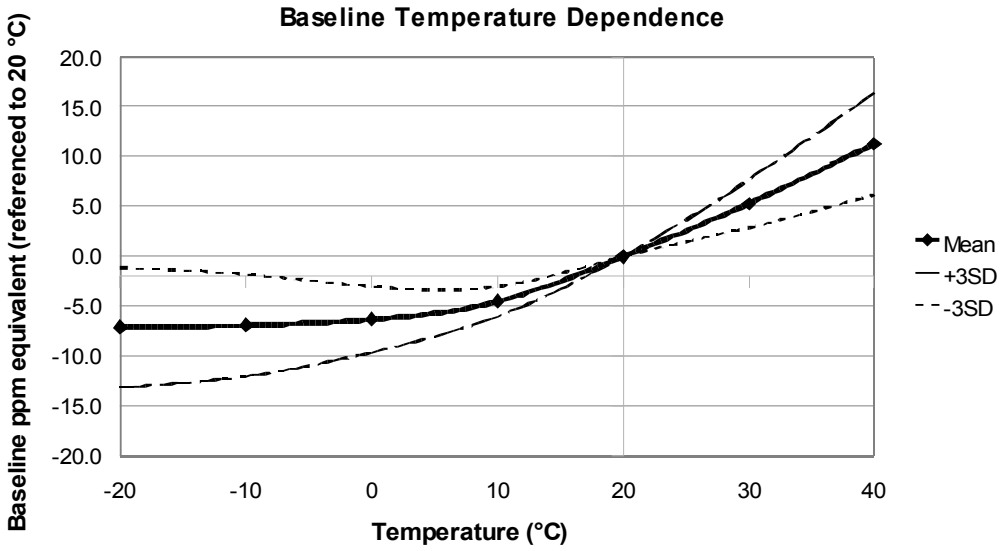
MEMBRAPOR AG
Birkenweg 2
CH-8304 Wallisellen
Switzerland

SPECIFICATION SHEET FOR H_2S SENSOR TYPE H2S/SD-20000

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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