

## Specification Sheet HYDROGEN SULFIDE 4 SE 5 V

Sensor Type H2S 4 SE 5 V

Detectable Gases H2S Hydrogen Sulfide

Part Number 01-34-20-02

Measuring Principle 3-electrode sensor

Specific Sensor Data no

Connector 4 pin socket connector



Deviation from linearity at standard range < 10 % FS

Zero voltage at normal conditions 200 mV (± 10 mV) shifted for Offset

Sensitivity 9,6 - 24 mV/ppm Output Range 0 to 5 V

Supply Voltage 6 to 12 V

Response time at target level

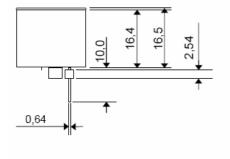
T50 < 20 s
T90 < 60 s
Sensor warm up time typically 10 min

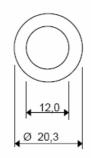
Operating conditions - 20°C ... +60°C

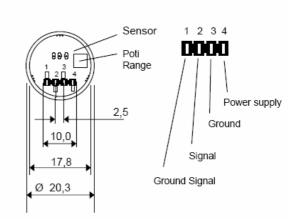
15 ... 90 % r. h. Sensor life time 5 years expected

Sensor dimensions Ø 20,3 mm: Height 26,5 mm

## Dimensions Solidsense sensor 4 SE (all dimensions in mm ± 0,15 mm tolerance)







Other Detection Ranges on Request





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## **Cross Sensitivity**

Gas	Formula	Test Gas Concentration	Reading in ppm
Ammonia	NH3	25 ppm	0
Carbon Dioxide	CO2	5000 ppm	0
Carbon Monoxide	CO	50 ppm	0
Chlorine	CI2	1.0 ppm	?
Hydrocarbons unsaturated	-	1 %	0
Hydrogen	H2	100 ppm	3
Hydrogen Sulphide	H2S	10 ppm	10
Isopropanol	СЗН7ОН	1000 ppm	0
Nitric Oxide	NO	20 ppm	?
Nitrogen Dioxide	NO2	10 ppm	-2
Ozone	O3	0.5 ppm	?
Sulphur Dioxide	SO2	20 ppm	?

**Please Note:** Test conditions at 20°C/ 1013 hPa, Flow Rate > 500 qcm/min Cross sensitivity gases are not target gases. Relation can change with aging.

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