

Alphasense Hydrogen Sulfide Sensor Specification Summary

Hydrogen Sulfide	H2S-A1	H2S-AE	H2S-AH	H2S-B1	H2S-BE	H2S-BH	H2S-D4
Operating range (ppm)	0 to 100	0 to 2,000	0 to 50	0 to 200	0 to 2,000	0 to 50	0 to 100
Sensitivity (nA/ppm)	550 to 875	65 to 105	950 to 1,450	300 to 450	80 to 115	1,500 to 2,000	110 to 170
Resolution (ppm equivalent)	< 0.05	< 0.5	< 0.03	< 0.05	< 0.5	< 0.02	< 0.2
Response time (t90) (s)	< 30	< 25	< 30	< 40	< 40	< 40	< 25
Zero current (ppm equivalent @ 20°C)	< ± 0.3	< ± 4	< ± 0.15	± 0.4	< ± 3	< ± 0.1	< ± 1
Overgas Limit (ppm)	500	10,000	250	500	10,000	200	200
Operating life (months)	> 24	> 24	> 24	> 24	> 24	> 24	> 24
Temperature range (°C)	-30 to 50	-30 to 50	-30 to 50	-30 to 50	-30 to 50	-30 to 50	-30 to 50
Pressure range (kPa)	80 to 120	80 to 120	80 to 120	80 to 120	80 to 120	80 to 120	80 to 120
Humidity range (%rh)	15 to 90	15 to 90	15 to 90	15 to 90	15 to 90	15 to 90	15 to 90
Load resistor (Ohm) recommended	10 to 47	10 to 47	10 to 47	10 to 47	10 to 47	10 to 47	10 to 47

Note: all sensors tested and stored at ambient environments unless otherwise stated. As applications of use are outside our control, the information provided is given without legal responsibility. Customers should test under their own conditions, to ensure that the sensors are suitable for their requirements.

Please use PCB sockets when connecting Alphasense sensors. Soldering, gluing or other methods of connection will void your warranty.