

Alphasense Sulfur Dioxide Sensor Specification Summary

Sulfur Dioxide	SO2-AE	SO2-AF	SO2-BE	SO2-BF	SO2-D4
Operating range (ppm)	0 to 2,000	0 to 50	0 to 2,000	0 to 100	0 to 20
Sensitivity (nA/ppm)	55 to 80	400 to 650	70 to 85	300 to 480	180 to 360
Resolution (ppm equivalent)	< 1.5	< 0.1	< 2	< 0.1	< 0.2
Response time (t90) (s)	< 30	< 35	< 30	< 40	< 15
Zero current (ppm equivalent @ 20°C)	< ± 5	< ±0.6	< ± 2	< ± 0.5	± 0.7
Overgas Limit (ppm)	10,000	75	10,000	1,000	50
Operating life (months)	> 24	> 24	> 24	> 24	>24
Temperature range (°C)	-30 to 50	-30 to 50	-30 to 50	-30 to 50	-20 to 50
Pressure range (kPa)	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
Load resistor (Ohm) recommended	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.