

Alphasense Nitrogen Dioxide Sensor Specification Summary

Nitrogen Dioxide	NO2-A1	NO2-AE	NO2-B1	NO2-D4
Operating range (ppm)	0 to 20	0 to 200	0 to 20	0 to 20
Sensitivity (nA/ppm)	-400 to -750	-100 to -170	-600 to -1,150	-200 to -450
Resolution (ppm equivalent)	< 0.02	< 0.1	< 0.02	0.1
Response time (t90) (s)	< 50	< 40	< 60	< 35
Zero current (ppm equivalent @ 20°C)	< ± 0.4	< ± 1.5	< ± 0.2	± 0.8
Overgas Limit (ppm)	100	1,000	100	60
Operating life (months)	> 24	> 24	> 24	> 24
Temperature range (°C)	-20 to 50	-20 to 50	-20 to 50	-20 to 50
Pressure range (kPa)	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
Load resistor (Ohm) recommended	33	33	33	33

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.