

Specifications - B4 low ppb Sensors

Miniature Sensors	H2S-B4	CO-B4	NO-B4	NO2-B4	SO2-B4	O3-B4
Operating range (ppm / % LEL)	0 to 25	0 to 50	0 to 20	0 to 20	0 to 20	< 2
Sensitivity (nA/ppm)	1800 to 2600	500 to 750	700 to 1300	-350 to -600	350 to 550	-600 to -1000
Resolution (ppb equivalent)	< 4	< 10	< 5	< 5	< 3	< 3
Response time (t90) (s)	< 50	< 25	< 30	< 35	< 50	< 30
Zero current (ppb equiv. @ 20°C)	< -15 to +5	< -400 to 0	< -100 to +500	< -60 to +100	< 0 to +200	< -75 to 0
Overgas Limit (ppm)	100	100	50	50	50	nd
Operating life (months)*	> 24	> 24	> 24	> 24	> 24	> 24
Temperature range (°C)	-30 to 50	-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	80 to 120
Humidity range (%rh)	15 to 90	15 to 90	15 to 90	15 to 90	15 to 90	15 to 90
Load resistor (ohm) recommended	33 to 100	33 to 100	33 to 100	33 to 100	33 to 100	33 to 100

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.