



## Sensor Catalog

Sensor category	Option	Response time (s)	Resolution (ppm)	Range (ppm)	Operating life (month)	Temperature range (°C)	Pressure range (kPa)	Humidity range (%RH)
NO2	Ab1-1	< 35	0.1	20	> 24	(-20 to 50)	80 - 120	15 - 90
NO2	Ab1-2	< 40	< 0.1	200	> 24	(-20 to 50)	80 - 120	15 - 90
NO2	Ab1-3	< 60	15 ± 2 ppb	20	> 24	(-30 to -40)	80 - 120	15 - 85
NO2	Ab1-4	< 50	< 0.02	20	> 24	(-20 to 50)	80 - 120	15 - 90
NO2	Ab2-1	< 40	0.5	100	24	(-20 to 50)	Atmospheric ± 10%	15 - 90

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<b>NO2</b>	Ab2-2	< 25	0.1	20	24	(-20 to 50)	Atmospheric ± 10%	15 - 90
<b>NO2</b>	Ab2-3	< 60	0.1	20	24	(-20 to 50)	Atmospheric ± 10%	15 - 90
<b>NO2</b>	Ab2-4	< 40	0.5	500	24	(-40 to 50)	Atmospheric ± 10%	15 - 90
<b>NO2</b>	Ab3-1	< 15	< 20 ppb	20	> 5 years	(-40 to 50)	Atmospheric	15 - 90
<b>SO2</b>	Ab1-1	< 15	< 0.2	20	> 24	(-20 to 50)	80 - 120	15 - 90

Sensor category	Option	Response time (s)	Resolution (ppm)	Range (ppm)	Operating life (month)	Temperature range (°C)	Pressure range (kPa)	Humidity range (%RH)
SO2	Ab1-2	< 35	< 0.1	50	>24	(-30 to 50)	80 - 120	15 - 90
SO2	Ab1-3	< 30	< 1.5	2,000	> 24	(-30 to 50)	80 - 120	15 - 90
SO2	Ab1-4	< 20	15 ± 2 ppb	50	> 36	(-30 to 50)	80 - 120	15 - 90
SO2	Ab2-1	< 30	0.5	100	24	(-20 to 50)	Atmospheric ± 10%	15 - 90
SO2	Ab2-2	< 15	0.3	20	24	(-20 to 50)	Atmospheric ± 10%	15 - 90

Sensor category	Option	Response time (s)	Resolution (ppm)	Range (ppm)	Operating life (month)	Temperature range (°C)	Pressure range (kPa)	Humidity range (%RH)
SO2	Ab2-3	< 30	0.5	20	24	(-20 to 50)	Atmospheric ± 10%	15 - 90
SO2	Ab2-4	< 20	0.2	100	24	(-20 to 50)	Atmospheric ± 10%	15 - 90
SO2	Ab2-5	< 25	2	1,000	24	(-20 to 50)	Atmospheric ± 10%	15 - 90
SO2	Ab2-6	< 30	2	10,000	24	(-20 to 50)	Atmospheric ± 10%	15 - 90
SO2	Ab2-7	< 15	0.2	20	24	(-40 to 50)	Atmospheric ± 10%	15 - 90

Sensor category	Option	Response time (s)	Resolution (ppm)	Range (ppm)	Operating life (month)	Temperature range (°C)	Pressure range (kPa)	Humidity range (%RH)
SO2	Ab2-8	< 20	0.25	200	24	(-20 to 50)	Atmospheric ± 10%	15 - 90
SO2	Ab2-9	< 20	4	2,000	24	(-20 to 50)	Atmospheric ± 10%	15 - 90
SO2	Ab3-1	< 15	< 20 ppb	20	> 5 years	(-30 to 50)	Atmospheric	15 - 90
CO	Ab1-1	< 25	< 1.5	1,000	> 24	(-20 to 50)	80 - 120	15 - 90
CO	Ab1-2	< 40	< 0.5	2,000	> 24	(-30 to 50)	80 - 120	15 - 90

Sensor category	Option	Response time (s)	Resolution (ppm)	Range (ppm)	Operating life (month)	Temperature range (°C)	Pressure range (kPa)	Humidity range (%RH)
CO	Ab1-3	< 30	< 0.5	5,000	> 24	(-30 to 50)	80 - 120	15 - 90
CO	Ab1-4	< 75	< 5	10,000	> 24	(-30 to 50)	80 - 120	15 - 90
CO	Ab1-5	< 30	< 0.5	2,000	> 24	(-30 to 50)	80 - 120	15 - 90
CO	Ab1-6	< 25	< 0.5	5,000	> 24	(-30 to 50)	80 - 120	15 - 90
CO	Ab1-7	< 50	< 5	10,000	> 24	(-30 to 50)	80 - 120	15 - 90

Sensor category	Option	Response time (s)	Resolution (ppm)	Range (ppm)	Operating life (month)	Temperature range (°C)	Pressure range (kPa)	Humidity range (%RH)
CO	Ab1-8	< 20	20 ± 2 ppb	500	> 36	(-30 to 50)	80 - 120	15 - 90
CO	Ab2-1	< 25	2	1,000	24	(-20 to 50)	Atmospheric ± 10%	15 - 90
CO	Ab2-2	< 25	0.15	200	24	(-20 to 50)	Atmospheric ± 10%	15 - 90
CO	Ab2-3	< 25	4	2,000	24	(-20 to 50)	Atmospheric ± 10%	15 - 90
CO	Ab2-4	< 25	1	300	>24	(-20 to 50)	Atmospheric ± 10%	15 - 90

Sensor category	Option	Response time (s)	Resolution (ppm)	Range (ppm)	Operating life (month)	Temperature range (°C)	Pressure range (kPa)	Humidity range (%RH)
CO	Ab2-5	< 25	1	500	24	(-20 to 50)	Atmospheric ± 10%	15 - 90
CO	Ab2-6	<25	1	500	24	(-20 to 50)	Atmospheric ± 10%	15 - 90
CO	Ab3-1	< 30	< 100 ppb	1,000	> 5 years	(-30 to 55)	Atmospheric	15 - 90
CO2	Ab1-1	2-4 mins for mV change	100	0.5% to 90% concentration	12	(10 to 35)	80 - 120	15 - 90
H2S	Ab1-1	< 25	< 0.2	< ± 6	> 24	(-30 to 50)	80 - 120	15 - 90



Sensor category	Option	Response time (s)	Resolution (ppm)	Range (ppm)	Operating life (month)	Temperature range (°C)	Pressure range (kPa)	Humidity range (%RH)
H2S	Ab1-2	< 30	< 0.03	50	> 24	(-30 to 50)	80 - 120	15 - 90
H2S	Ab1-3	< 25	< 0.5	2,000	> 24	(-30 to 50)	80 - 120	15 - 90
H2S	Ab1-4	< 45	15 ± 2 ppb	50	> 24	(-30 to 50)	80 - 120	15 - 90
H2S	Ab1-5	< 35	< 0.05	100	> 24	(-30 to 50)	80 - 120	15 - 90
H2S	Ab2-1	< 25	0.1	100	24	(-40 to 50)	Atmospheric ± 10%	15 - 90

Sensor category	Option	Response time (s)	Resolution (ppm)	Range (ppm)	Operating life (month)	Temperature range (°C)	Pressure range (kPa)	Humidity range (%RH)
HS2	Ab2-2	< 60	0.2	200	24	(-40 to 50)	Atmospheric ± 10%	15 - 90
HS2	Ab2-3	< 25	2	2,000	24	(-40 to 50)	Atmospheric ± 10%	15 - 90
HS2	Ab2-4	< 25	0.05	50	24	(-40 to 50)	Atmospheric ± 10%	15 - 90
HS2	Ab2-5	< 20	1	500	24	(-40 to 50)	Atmospheric ± 10%	15 - 90
O3	Ab1-1	< 45	15 ± 2 ppb	20	> 24	(-30 to 40)	80-120	15-85

Sensor category	Option	Response time (s)	Resolution (ppm)	Range (ppm)	Operating life (month)	Temperature range (°C)	Pressure range (kPa)	Humidity range (%RH)
O3	Ab2-1	< 60	0.03	5	24	(-20 to 45)	Atmospheric ± 10%	15 - 90
O3	Ab2-2	< 60	0.2	100	24	(-20 to 50)	Atmospheric ± 10%	15 - 90
O3	Ab3-1	< 15	< 20 ppb	20	> 5 years	(-30 to 50)	Atmospheric	15 - 90
PM	Ab1-1	---	---	0.38 - 17 microns	---	(-10 to 50)	---	0 to 99
HCL	Ab1-1	< 300	< 1	100	Nd	(-30 to 50)	80 to 120	15-90

Sensor category	Option	Response time (s)	Resolution (ppm)	Range (ppm)	Operating life (month)	Temperature range (°C)	Pressure range (kPa)	Humidity range (%RH)
HCL	Ab2-1	< 40	0.2	20	24	(-20 to 45)	Atmospheric	15 to 90
HCL	Ab2-2	< 60	1.5	200	24	(-20 to 45)	Atmospheric	15 to 90
NH3	Ab2-1	< 40	1	100	24	(-10 to 40)	Atmospheric	15 to 90
NH3	Ab2-2	< 60	2	100	24	(-10 to 50)	Atmospheric ± 10%	15 to 90
NH3	Ab2-3	< 35	4	1,000	24	(-10 to 50)	Atmospheric	15 to 90

Sensor category	Option	Response time (s)	Resolution (ppm)	Range (ppm)	Operating life (month)	Temperature range (°C)	Pressure range (kPa)	Humidity range (%RH)
NH3	Ab2-4	< 35	8	1,000	24	(-10 to 50)	Atmospheric ± 10%	15 to 90
NH3	Ab2-5	< 35	40	10,000	24	(-10 to 50)	Atmospheric	15 to 90
NH3	Ab2-6	< 35	4	2,000	24	(-10 to 50)	Atmospheric	15 to 90
NH3	Ab2-7	< 35	3	500	24	(-10 to 50)	Atmospheric	15 to 90
NH3	Ab2-8	< 35	10	5,000	24	(-10 to 50)	Atmospheric	15 to 90

Sensor category	Option	Response time (s)	Resolution (ppm)	Range (ppm)	Operating life (month)	Temperature range (°C)	Pressure range (kPa)	Humidity range (%RH)
TVOC	Ab5-1	---	---	1 to 30	---	---	Atmospheric	15 to 90
Humidity	Ab6-1	8	0.04 %RH	0 to 100 %RH	---	---	Atmospheric	---
Temperature		5 to 30	0.04 °C	(-40 to 125 °C)	---	---	Atmospheric	---