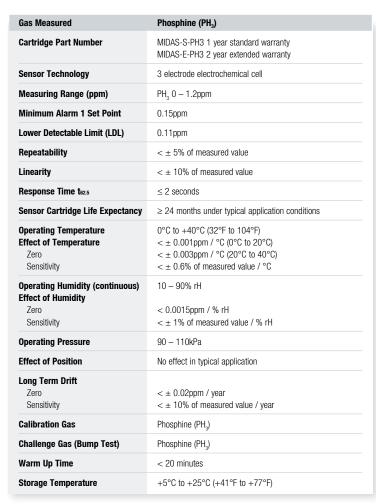


Midas® sensor cartridge specifications

Phosphine (PH₃) MIDAS-S-PH3, MIDAS-E-PH3



The sensor data listed is based on ideal test environment; observed performance may vary based on the actual monitoring system and the sampling conditions employed

Cross Sensitivities

Each Midas® sensor is potentially cross sensitive to other gases and this may cause a gas reading when exposed to other gases than those originally designated. The table below presents typical readings that will be observed when a new sensor cartridge is exposed to the cross sensitive gas (or a mixture of gases containing the cross sensitive species).

Gas / Vapor	Chemical Formula	Concentration Applied (ppm)	Reading (ppm PH ₃)
Ammonia	NH ₃	100	1.05
Arsine	AsH ₃	1	0.68
Carbon Monoxide	CO	2000	< 0.01
Chlorine	Cl ₂	1	- 0.07
Diborane	B_2H_6	1	0.45
Ethanol	C ₂ H ₅ OH	2000	< 0.01
Germane	GeH ₄	1	0.45
Hydrogen	H ₂	5000	< 0.01
Hydrogen Chloride	HCI	10	< 0.01
Hydrogen Fluoride	HF	10	< 0.01
Hydrogen Sulphide	H ₂ S	0.5	0.07
Iso Propanol	C ₃ H ₇ OH	2000	0
Nitrogen Dioxide	NO ₂	8	- 0.86
Silane	SiH ₄	1	0.36
Sulphur Dioxide	SO ₂	50	0.55

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