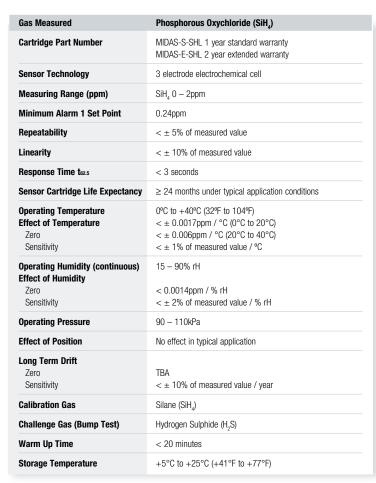


Midas® sensor cartridge specifications

Silane Low Level (SiH₄) MIDAS-S-SHL, MIDAS-E-SHL



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 SiH ₄)
Ammonia	NH ₃	100	0
Arsine	AsH ₃	1	1
Carbon Monoxide	CO	2000	0.1
Chlorine	Cl ₂	5	-0.6
Diborane	B_2H_6	1	0.7
Ethanol	C ₂ H ₅ OH	500	0
Hydrogen	H ₂	5000	Max 0.2, Avg 0.1
Hydrogen Chloride	HCI	8.7	1.6
Hydrogen Fluoride	HF	10	0
Hydrogen Sulphide	H ₂ S	5	1.8
Iso Propanol	C ₃ H ₇ OH	500	0
Nitrogen Dioxide	NO_2	50	-11
Phosphine	PH ₃	1	1.4
Sulphur Dioxide	SO ₂	50	1.4

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