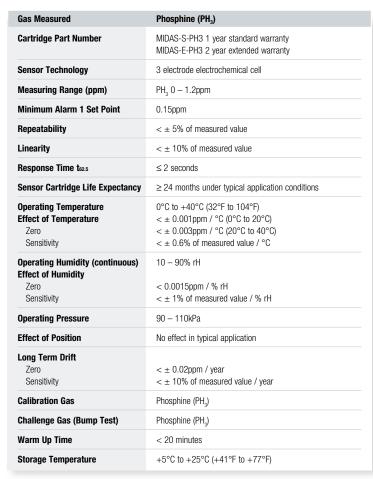


# Midas® sensor cartridge specifications

## Phosphine (PH<sub>3</sub>) 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 PH₃)
Ammonia	NH <sub>3</sub>	100	1.05
Arsine	AsH <sub>3</sub>	1	0.68
Carbon Monoxide	CO	2000	< 0.01
Chlorine	Cl <sub>2</sub>	1	- 0.07
Diborane	$B_2H_6$	1	0.45
Ethanol	C <sub>2</sub> H <sub>5</sub> OH	2000	< 0.01
Germane	GeH <sub>4</sub>	1	0.45
Hydrogen	H <sub>2</sub>	5000	< 0.01
Hydrogen Chloride	HCI	10	< 0.01
Hydrogen Fluoride	HF	10	< 0.01
Hydrogen Sulphide	H <sub>2</sub> S	0.5	0.07
Iso Propanol	C <sub>3</sub> H <sub>7</sub> OH	2000	0
Nitrogen Dioxide	NO <sub>2</sub>	8	- 0.86
Silane	SiH <sub>4</sub>	1	0.36
Sulphur Dioxide	SO <sub>2</sub>	50	0.55

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