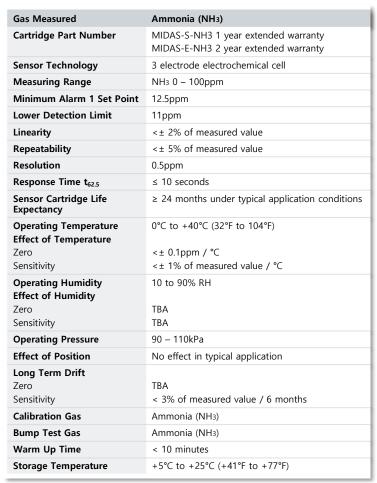


# Midas<sub>®</sub> Sensor Cartridge Specifications

# Ammonia (NH3) MIDAS-E-NH3, MIDAS-S-NH3



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 Measured	Chemical Formula	Concentration Applied(ppm)	Reading (ppm NH3)
Arsine	AsH <sub>3</sub>	0.2	0.07
Carbon Dioxide	CO <sub>2</sub>	5000	0
Carbon Monoxide	CO	100	0
Chlorine	Cl2	1	0
Ethanol	C <sub>2</sub> H <sub>5</sub> OH	1000	0
Hydrogen Chloride	HCI	10	-4
Hydrogen Sulfide	H <sub>2</sub> S	20	2
Iso Propanol	C <sub>3</sub> H <sub>7</sub> OH	1000	0
Methanol	CH₃OH	1000	0
Nitrogen Dioxide	NO <sub>2</sub>	10	-0.5
Phosphine	PH <sub>3</sub>	300	0
Sulfur Dioxide	SO <sub>2</sub>	20	-40
Hydrogen	H2	10000	0

Interference differs from cartridge to cartridge and over cell life. It is not recommended to calibrate with cross sensitivity factors. The target gas should be used for calibration.

## Find out more

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