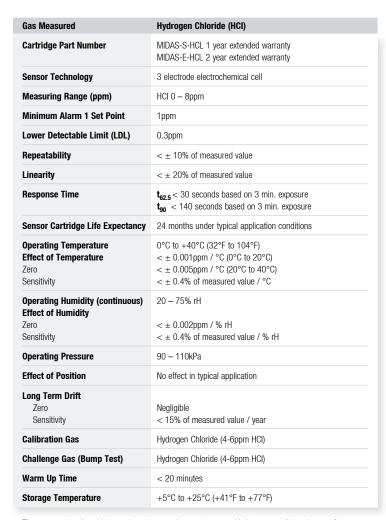


Midas® sensor cartridge specifications

HCI Group MIDAS-S-HCL, MIDAS-E-HCL



The sensor data listed is based on the test data under normal Lab test conditions (20-25 C, 0 - 60% RH, normal atmosphere pressure); observed performance may vary based on the actual monitoring system and the sampling conditions employed



Other Detectable Gases

The following additional gases can be detected with this sensor cartridge. Sensor performance and characteristics will be representative of the data as tabulated above. Consult the Technical Manual to set up the Midas® transmitter with the designated identification code for each of the following gas types.

Detectable Gas	Chemical Formula	Measuring Range	
Dichlorosilane	H_2SiCl_2	0 – 8ppm	
Boron Trichloride	BCl_3	0 – 8ppm	
Hydrogen Bromide	HBr	0 – 8ppm	

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 HCI)
Arsine	AsH ₃	1	0
Carbon Monoxide	CO	2000	0
Chlorine	Cl_2	5	5.6
Diborane	B_2H_6	1	-1.3
Hydrogen	H_2	20000	0
Hydrogen Fluoride	HF	5	6.7
Hydrogen Sulfide	H ₂ S	25	-3.6
Iso Propanol	C₃H70H	500	0
Methanol	CH ₃ OH	500	0
Nitrogen Dioxide	NO ₂	5	0.9
Phosphine	PH ₃	1	-0.14
Sulfur Dioxide	SO ₂	10	4.5

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