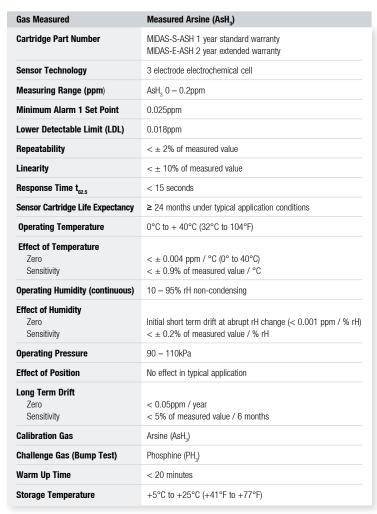


Midas® sensor cartridge specifications

Arsine (AsH₃), Germane (GeH₄) MIDAS-S-ASH, MIDAS-E-ASH



Calibration					
	Range	LDL	LAL		
AsH ₃	0-0.2ppm	0.018ppm	0.025ppm		
GeH₄	0-0.8ppm	0.08ppm	0.095ppm		

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 AsH ₃)
Ammonia	NH ₃	108	<0.1
Carbon Dioxide	CO ₂	5,000	0
Carbon Monoxide	CO	85	0
Chlorine	Cl_2	TBD	<-0.05
Diborane	B_2H_6	0.1	0.05
Disilane	Si_2H_6	0.27	0.12
Germane	GeH ₄	0.27	0.05
Hydrogen	H_2	3100	<-0.05
Hydrogen Chloride	HCI	7.9	0
Hydrogen Cyanide	HCN	3.6	0.2
Hydrogen Fluoride	HF	7.2	0
Hydrogen Selenide	H ₂ Se	0.8	0.24
Hydrogen Sulphide	H ₂ S	18.2	0
Iso Propanol	C ₃ H ₂ OH	20,000	0
Methane	CH ₄	18,000	0
Nitrogen Dioxide	NO ₂	10	-2.2
Phosphine	PH ₃	0.1	0.12
Silane	SIH ₄	0.3	0.05
Sulphur Dioxide	SO ₂	17.8	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

www.honeywellanalytics.com Toll-free: 800,538,0363

Please Note:

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