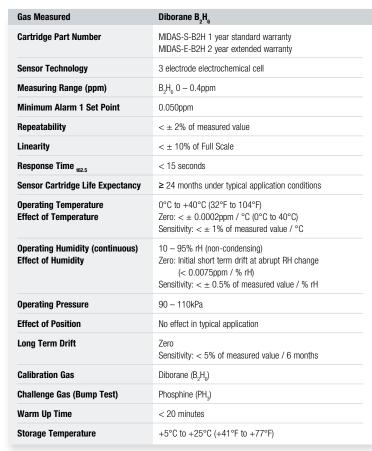


Midas® sensor cartridge specifications

Diborane (B₂H₆) MIDAS-S-B2H, MIDAS-E-B2H



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 B_2H_6)
Ammonia	NH ₃	108	<0.1
Arsine	AsH ₃	0.2	0.1
Carbon Dioxide	CO ₂	5,000	0
Carbon Monoxide	CO	85	0
Chlorine	Cl ₂	0.85	-0.15
Disilane	Si ₂ H ₆	0.27	0.12
Germane	GeH ₄	0.94	0.1
Hydrogen	H ₂	3100	0
Hydrogen Chloride	HCI	3.9	0.26
Hydrogen Cyanide	HCN	12	0.35
Hydrogen Fluoride	HF	7.2	0
Hydrogen Selenide	H₂Se	0.8	0.2
Hydrogen Sulphide	H ₂ S	1.8	0.75
Iso Propanol	C ₃ H ₇ OH	20,000	<0.05
Methane	CH ₄	18,000	0
Nitrogen Dioxide	NO ₂	10.1	-1.5
Phosphine	PH ₃	0.3	0.23
Silane	SiH ₄	2.0	0.18
Sulphur Dioxide	SO ₂	2	0.3

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

While every effort has been made to ensure accuracy in this publication, no responsibility can be accepted for errors or omissions. Data may change, as well as legislation, and you are strongly advised to obtain copies of the most recently issued regulations, standards, and guidelines. This publication is not intended to form the basis of a contract.



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