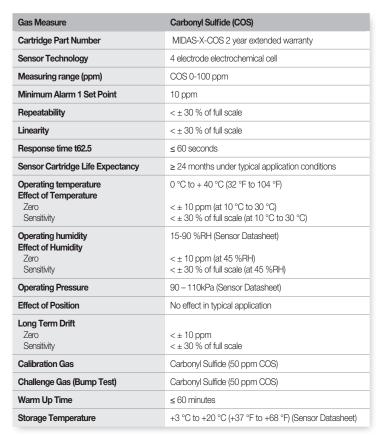


Midas® sensor cartridge specifications

Carbonyl Sulfide (COS) MIDAS-X-COS



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 COS)
Carbon Monoxide	CO	50	≥100
Hydrogen Sulfide	H ₂ S	15	<100
Sulfur Dioxide	SO ₂	5	9
Nitrogen Dioxide	NO ₂	5	-15
Chlorine	Cl ₂	1	-1.5
Hydrogen	H ₂	100	<100
Hydrogen Cyanide	HCN	10	15
Hydrogen Chloride	HCI	5	0
Ethylene	C ₂ H ₄	100	<100
Nitric Oxide	NO	35	30
iso-Propyl Alcohol (IPA)*	C ₃ H ₇ OH	500	0

*IPA filter (1830K0080) is required where a sensor cartridge can be exposed to the concentrated IPA vapor.

Find out more

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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.