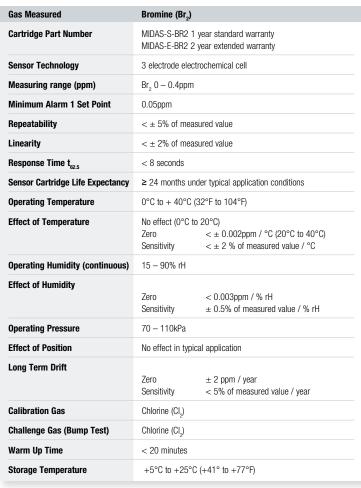


# Midas® sensor cartridge specifications

## Halogen Group (Br<sub>2</sub> CIO<sub>2</sub>) MIDAS-S-BR2, MIDAS-E-BR2



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



#### **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
Chlorine Dioxide	CIO <sub>2</sub>	0 – 0.4ppm

#### **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 CIO <sub>2</sub> )
Ammonia	NH <sub>3</sub>	50	-1.9
Carbon Dioxide	CO <sub>2</sub>	2000	0
Hydrogen Chloride	HCI	3	0.4
Hydrogen Sulphide	H <sub>2</sub> S	25	-16.3
Nitrogen Dioxide	NO <sub>2</sub>	16	0.4 (transient)
Sulphur Dioxide	SO <sub>2</sub>	2	0.36

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