

PRODUCT NOTICE

Midas® Gas Detector COS NDIR Sensor Module Offering

Regions Affected: **Global**

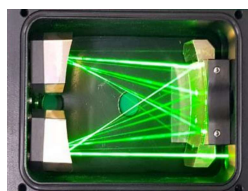
Dear Customers and Colleagues:

We are pleased to announce the release of a new sensor cartridge* to the Midas® Gas Detector product portfolio – Midas® COS NDIR Sensor Module. This new sensor module utilizes Non-Dispersive Infra-Red (NDIR) technology that is tuned specifically to COS, addressing common cross-interfering gas concerns.

Using the existing pyrolizer port, the new Midas-I-COS sensor simply attaches to the bottom of the Midas Transmitter** and a Dummy cartridge is installed where the traditional sensor cartridge would be located.



Midas® Gas Detector with installed Midas® COS NDIR Sensor Module



Cross section of Midas COS NDIR Sensor Module with simulated light beams

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 Measured	Chemical Formula	Concentration Applied(ppm)	Reading (ppm COS)
Carbon Monoxide	CO	3000	0
Hydrogen Sulfide	H ₂ S	5	0
Sulfur Dioxide	SO ₂	75	0
Nitrogen Dioxide	NO ₂	50	0
Chlorine	Cl ₂	1	0
Hydrogen	H ₂	500	0
Hydrogen Cyanide	HCN	100	0
Hydrogen Chloride	HCl	4	0
Ethylene	C ₂ H ₄	10000	0
Nitric Oxide	NO	50	0
<i>iso</i> -Propyl Alcohol (IPA)	C ₃ H ₇ OH	2000	0
Ethanol	C ₂ H ₆ O	1000	0
FC-3283	CF ₄ + C ₂ F ₆	500	0

Note:

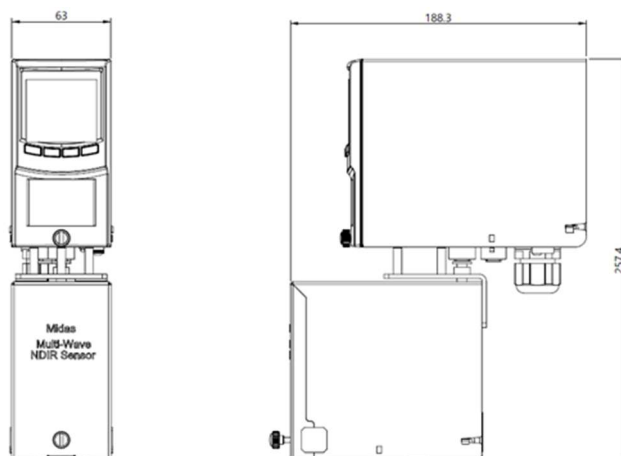
*Non-Tricolor LCD versions of the Midas (1st generation) do not support the Midas-I-COS sensor offering.

**Minimum Midas firmware version is 2.16.b9 (2nd generation (tricolor LCD)).

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Product Dimensions:

63mm x 188.3mm x 257.4mm



Product Ordering Information:

SKU	DESCRIPTION	Typical Lead Time	MOQ
MIDAS-I-COS	Midas COS NDIR Sensor Module	8 weeks	1

For more information on the Midas COS NDIR Sensor Module, please contact your local sales representative or visit the Honeywell Analytics website:

<https://sps.honeywell.com/us/en>

<https://sps.honeywell.com/us/en/products/safety/gas-and-flame-detection>.

Visit our Technical Support self-help Portal for your installed product questions:

<https://sps-support.honeywell.com/s/>

Regards

Murali Muralidhar
High Tech Offering Manager
Honeywell Analytics