

MIDAS[®]-M **GAS** **DETECTOR**

Bringing consumer experience design,
reliability and smaller footprint to
gas detection in semiconductor
processing and industrial manufacturing

Honeywell

MIDAS[®]-M GAS DETECTOR

Choose the Midas-M Fixed extractive, 4-in-1 multi gas detector to detect more than 30 gases – precisely, easily, quickly, lower cost of ownership based on consumer experience design.

BRINGING NEW VISIBILITY, RELIABILITY AND EASE OF USE TO GAS DETECTION IN SEMICONDUCTOR PROCESSING AND INDUSTRIAL MANUFACTURING.

The Midas-M is a Fixed Extractive Single Point with 4-in-1 Multi Gas Detector that draws a sample locally or from a remote point to a sensor cartridge that is located inside the detector's chassis. A side range of toxic, flammable and oxygen gas sensor cartridges are available that enable detection of gases used or generated in the Semiconductor and other manufacturing industries

- **Lower cost of ownership:** The Midas-M Gas Detector is Fixed Extractive Single Point with 4-in-1 Multi Gas Detector
- **Improved user interface and easy of use:** The Midas-M Gas Detector is equipped with large LCD display with individual multicolor back light and intuitive icons that provide instant alerts to gas readings or alarm levels.
- **Easy installation and maintenance:** The Midas-M Gas Detector comprises of 4 parts: The main module, the mounting bracket assembly, the sensor cartridge and the pump module
- **Numerous applications:** With feature rich capabilities that are easy to use, the Midas-M Gas Detector is suitable for various industry applications, including semiconductor processing, light industrial manufacturing, university laboratories, aerospace, wastewater and the others.



FEATURES

- Over *33 gases available with 2 year warranty : 17 gases available at launch
 - 4-in-1 multi smart sensor cartridge with on board * 'e-calibration' certificate
 - Modular design for easy to use and service (front, pump, sensor cartridge, main and base)
 - 3 built in relays (Form C) for Alarm 1, 2 and Fault
 - Power over Ethernet (PoE) communication
 - Keypad interface and remote web browser interface
 - *Optional external relay module with nine relays
 - *Optional Line Integrity Test (LIT) module to detect a leakage in tubing
 - * Optional Alarm Verifier Module to reduce false alarm
 - Password protected menu levels to preserve system integrity
 - Bright LEDs and intuitive icon driven, large LCD display with individual multicolor backlit
 - Factory-calibrated sensors to reduce need for frequent gas testing
 - Isolated 0-21 mA analog output with fault and event reporting
 - Modbus/TCP Ethernet for easy connectivity to all control and alarm systems ports for control connectivity and service interaction
 - Robust extractive pump system (2 year lifetime) sampling up to 100 feet
 - CE marked for total immunity to Radio Frequency Interference
 - Reflex[®] sensor health check for improved safety
 - TempraSureTM temperature compensation technology as appropriate
 - Event logging to review sensor history
- * Respect to sequential release



SINGLE POINT EXTRACTIVE WITH 4-IN-1 MULTI GAS DETECTOR

PLUG-AND-PLAY GAS DETECTION

With flexible features and options, the Midas-M Gas Detector works right out of the box and configures easily to meet your needs. Each plug-and-play sensor cartridge is pre-calibrated, so it's ready when you are. That means longer sensor life, quick and easy replacement, and no operator error due to incorrect or depleted sensors

The Midas-M has flexible power and communications capabilities build in as standard. These include 3 on board relays, 0-21 mA analog output, Modbus/TCP outputs for signal and service connectivity as well as Power over Ethernet (POE) connection that enables a single Ethernet connection to be made for all power, control and communication requirements.



Midas-M Gas Detector plug and play Smart Sensor Cartridge allows quick and easy sensor replacement

Midas-M Smart Sensor Cartridge Detectable Gases

Gas Name	Chemical Formula
Ammonia	NH ₃
Arsine *	AsH ₃
Boron Trichloride	BCl ₃
Boron Trifluoride	BF ₃
Boron Trifluoride Low Level *	BF ₃
Bromine *	Br ₂
Carbon Dioxide *	CO ₂
Carbon Monoxide	CO
Chlorine	Cl ₂
Chlorine Dioxide *	ClO ₂
Diborane *	B ₂ H ₆
Dichlorosilane	SiH ₂ Cl ₂
Disilane	Si ₂ H ₆
Ethylene Oxide *	ETO
Germane *	GeH ₄
Hydrogen	H ₂
Hydrogen Bromide	HBr
Hydrogen Chloride	HCl
Hydrogen Cyanide *	HCN
Hydrogen Fluoride	HF
Hydrogen Fluoride Low Level *	HF
Hydrogen Selenide *	H ₂ Se
Hydrogen Sulfide *	H ₂ S
Nitric Oxide *	NO
Nitrogen Dioxide *	NO ₂
Oxygen	O ₂
Ozone	O ₃
Phosphine	PH ₃
Silane	SiH ₄
Sulphur Dioxide	SO ₂
Tetra Ethyl Ortho Silicate *	TEOS
Tungsten Hexafluoride	WF ₆
Tungsten Hexafluoride Low Level *	WF ₆

* Respect to sequential release

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Manuals and other information about this product are available at:
www.honeywellanalytics.com/en/products/Midas-M

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