

MIDAS[®]-M GAS DETECTOR

Performance multigas fixed detector
for dynamic applications.



Honeywell

MIDAS[®]-M GAS DETECTOR

Choose the Midas-M Gas Detector fixed extractive 4-in-1 multi-gas instrument to detect more than 30 gases – precisely, easily, quickly, with lower cost of ownership.

BRINGING VISIBILITY, RELIABILITY AND EASE OF USE TO GAS DETECTION IN LABORATORY APPLICATIONS

The Midas-M Gas Detector draws a sample locally or from a remote point to a sensor cartridge located inside the detector's chassis. A wide range of toxic, flammable, and oxygen gas sensor cartridges.

- **Lower cost of ownership:** The Midas-M Gas Detector combines up to four gas detectors into a single unit.
- **Improved user interface and easy of use:** The Midas-M Gas Detector is equipped with large LCD display with individual multi-color backlighting and intuitive icons that provide instant alerts to gas readings or alarms; built-in webserver for remote viewing.
- **Easy installation and maintenance:** The Midas-M Gas Detector is comprised of 4 parts: The main module, the mounting bracket assembly, the sensor cartridge and the pump module
- **Numerous applications:** With easy-to-use feature-rich capabilities, the Midas-M Gas Detector is suitable for various industry applications, including light industrial manufacturing, university laboratories, aerospace, wastewater, oil and gas laboratories, hospitals, Pharma and the others.



FEATURES

- Over 33 gases available with 2 year warranty
- 4-in-1 smart sensor cartridge with on board 'e-calibration' certificate
- Modular design for ease of 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 9 relays
- Optional Line Integrity Test (LIT) module to detect tubing leaks
- Optional Alarm Verifier Module to reduce false alarm
- Bright LEDs and intuitive icons, large LCD display with individual multicolor backlite
- Password protected menu levels for security and access control
- Factory-calibrated sensors to reduce the 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 (RFI)
- Reflex[®] sensor health check for improved safety diagnostics
- TempraSure[™] temperature compensation technology
- Event logging to review sensor history



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

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, and requires minimal set up and commissioning. 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 built in. These include 3 on board relays, 0-21 mA analog output, Modbus TCP outputs for signal and service connectivity. Power over Ethernet (POE) connection 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
Tetraethyl Orthosilicate	TEOS
Tungsten Hexafluoride	WF ₆
Tungsten Hexafluoride Low Level*	WF ₆
* Future	