



Bringing new visibility, reliability and ease of use to gas detection in semiconductor processing and industrial manufacturing

Midas®







Features:

- Over 35 gases available with extended 2 year warranty*
- Smart sensor cartridge with on board 'e-calibration' certificate
- 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 Midas Pyrolyzer module that connects to any Midas Gas Detector
- Password protected menu levels to preserve system integrity
- Bright LEDs and intuitive icon driven, large multicolor backlit LCD display
- 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 30 meters (100 feet)
- CE marked
- Reflex® sensor health check for improved safety
- TempraSure[™] temperature compensation technology as appropriate
- · Event logging to review sensor history

Choose the Midas Gas Detector to detect more than 35 gases — easily, quickly and error-free. All with extended sensor calibration periods, patented diagnostics and lower cost of ownership.

The Midas Gas Detector uses reliable sensor technology to detect many key toxic, ambient and flammable gases in a plant. The device monitors points up to 30 meters (100 feet) away while using patented technology to regulate flow rates and ensure error-free gas detection. Thanks to Honeywell's use of advanced robotics, the Midas Gas Detector offers unbeatable quality and reliability:

Improved visibility and ease of use

The Midas Gas Detector is equipped with bright LED lights and an intuitive, interactive interface that provides instant alerts to gas readings or alarm levels. The interface also includes password-protected menus for configuration, test and calibration.

Easy installation

Compact in size with an easy-to-handle metal chassis, the Midas Gas Detector is simple to install. That's especially important in complex process environments where space is at a premium.

Numerous applications

With feature-rich capabilities that are easy to use, the Midas Gas Detector is suitable for many industry applications, including semiconductor processing, light industrial manufacturing, university laboratories, aerospace, wastewater and more.



Compact size is perfect for gas detection where space is at a premium.



^{*} Standard 1 year warranty

Single Point Extractive Gas Detector







Plug-and-play gas detectionWith flexible features and options, the Midas Gas Detector works 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 standard power supply and communications capabilities include three onboard relays, 0-21 mA analog output and Modbus/TCP Ethernet digital outputs. Plus, the Midas Gas Detector includes the innovative Power over Ethernet (PoE) protocol - a single Ethernet connection for all power, control and communication requirements. Thanks to the Midas architecture, cost-effective integration with PLC and Fieldbus systems is greatly simplified.

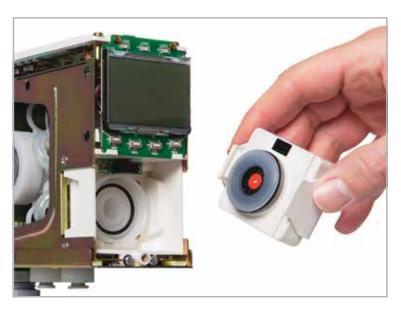
das Cartridge Detectable G	ases	
Gas Name	Chemical Formula	
Ammonia	NH₃	
Arsine	AsH₃	
Boron Trichloride	BCl ₃	
Boron Trifluoride	BF ₃	
Bromine	Br ₂	
Carbon Dioxide	CO ₂	
Carbon Monoxide	CO	
Chlorine	Cl ₂	
Chlorine Dioxide	CIO ₂	
Diborane	B ₂ H ₆	
Dichlorosilane	H ₂ SiCl ₂	
Difluoromethane*	CH ₂ F ₂	
Disilane	Si ₂ H ₆	
Fluorine	F ₂	
Germane	GeH ₄	
Hexaflourobutadiene*	C ₄ F ₆	
Hydrogen (% LEL)	H ₂	
Hydrogen (ppm)	H ₂	
Hydrogen Bromide	HBr	
Hydrogen Chloride	HCI	
Hydrogen Cyanide	HCN	
Hydrogen Fluoride	HF	
Hydrogen Sulfide	H ₂ S	
Methane (% LEL)	CH ₄	
Methyl Flouride*	CH₃F	
Nitric Oxide	NO	
Nitrous Oxide	N ₂ O	
Nitrogen Dioxide	NO ₂	
Nitrogen Trifluoride*	NF ₃	
Octoflourocyclopentene*	C₅F8	
Oxygen	02	
Ozone	03	
Phosphine	PH₃	
Silane	SiH ₄	
Sulfur Dioxide	SO ₂	
Tetra Ethyl Ortho Silicate	TEOS	
Tungsten Hexafluoride	WF ₆	

^{*}Gases require Midas Pyrolyzer

Midas® Pyrolyzer
Offered as an option, the Midas Pyrolyzer allows for the detection of NF3 and other CFX gases. Cost of ownership is low, as the Pyrolyzer has a replaceable heater assembly with a lifespan of greater than two years. Even more, thanks to our new proprietary catalyst to improve efficiency in gas conversion, the Pyrolyzer delivers automatic flow control, temperature control, and fast and accurate performance. Additionally, the Pyrolyzer can run from a Midas Gas Detector that's powered by either PoE or 24 VDC.



Midas Gas Detector with Midas Pyrolyzer



Midas Gas Detector plug-and-play sensor cartridge allows quick and easy sensor replacement

Specifications



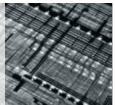


Size (unit with Sensor)	Transmitter Dimension		
(1.76 ib)	Size (unit with Sensor)		
Size (unit with Sensor) Weight (unit with Sensor) Otal kg (0.9 lb) High-Temperature Pyrotyzer Dimension Size (unit with Sensor) Size (unit with Sensor) Size (unit with Sensor) Size (unit with Sensor) Weight (unit with Sensor) Operating Voltage Operating V	Weight (unit with Sensor)	•	
C2.75 x 2.48 x 3.35 in) Weight (unit with Sensor)	NF ₃ Pyrolyzer Dimension		
High-Temperature Pyrolyzer Dimension 132 (H) x 60 (W) x 98 (D) mm (5.2 x 2.36 x 3.86 in) Weight (unit with Sensor)	Size (unit with Sensor)		
Size (unit with Sensor) 132 (H) x 60 (W) x 98 (D) mm (5.2 x 2.36 x 3.86 in) Weight (unit with Sensor) 2.65 lb 1.2 kg Power Requirements Operating Voltage	Weight (unit with Sensor)	•	
Service Port Relays Service Port Research Refer to Individual Cartridge Datasheets	High-Temperature Pyrolyzer Dimension	1	
Departing Voltage 24VDC, -15 to +10%	Size (unit with Sensor)		
Operating Voltage with Power over Ethernet (PoE) Power Consumption Transmitter Unit	Weight (unit with Sensor)		
Operating Voltage with Power over Ethernet (PoE) Power Consumption Transmitter Unit	Power Requirements		
Power Over Ethernet (PoE) Power Consumption Transmitter Unit	Operating Voltage	24VDC, -15 to +10%	
Transmitter Unit <5 W With Pyrolyzer (Option) <12.95 W With Lonworks® <8 W With Lonworks® and Pyrolyzer Outputs Visual Alarm, Power and Fault LEDs, LCD display with all gas readings and events Relays 3 relays for Alarm1, Alarm 2 and Fault rated 30VDC, 1 A or 125VAC, 0.5 A; configurable NO or NC, latched or unlatched Analog 3 wire sink, 3 wire source or 4 wire fully isolated, 0 to 21mA Digital Communications Modbus®, TCP Ethernet, Power over Ethernet (PoE), Lonworks® Service Port RS232C, PPP protocol Certification and Specification CE marked Meets EN 50270:2006 (Type2) and EN 61000-6-4:2007 ETL approved UL 61010-1 Ed:3 IEEE 802.3af-2003 Performance Refer to Individual Cartridge Datasheets Transport System Flow Rate 500 mL/min Transport Time 2 to 30 seconds maximum Sample Line Tubing 3.75 mm (0.125 in) ID x 6.35 mm (0.25 in) OD Tubing Length Up to 30 m (100 ft) with FEP tubing Exhaust Line Tubing In line air filter required Operating Temperature Unit with Sensor 0°C to 40°C (32F° to 104°F)		48 VDC via PoE	
With Pyrolyzer (Option) With Lonworks® <8 W With Lonworks® and Pyrolyzer <15.95 W Outputs Visual Alarm, Power and Fault LEDs, LCD display with all gas readings and events as readings and events as readings and events are readings and events as readings and events are readings and events as readings and events are readings and events as readings and events are readings and events and Fault rated 30VDC, 1 A or 125VAC, 0.5 A; configurable NO or NC, latched or unlatched as wire source or 4 wire fully isolated, 0 to 21mA Digital Communications Modbus®, TCP Ethernet, Power over Ethernet (PoE), Lonworks® Service Port RS232C, PPP protocol Certification and Specification CE marked Meets EN 50270:2006 (Type2) and EN 61000-6-4:2007 ETL approved UL 61010-1 Ed:3 IEEE 802.3af-2003 Performance Refer to Individual Cartridge Datasheets Transport System Flow Rate 500 mL/min Transport Time 2 to 30 seconds maximum 3.175 mm (0.125 in) ID x 6.35 mm (0.25 in) OD Tubing Length Up to 30 m (100 ft) with FEP tubing Exhaust Line Tubing 6.35 mm (0.25 in) ID x 9.5 mm (0.375 in) OD Exhaust Length Up to 30m (100 ft) Ambient Point In line air filter required Operating Temperature Unit with Sensor 0°C to 40°C (32F° to 104°F)	Power Consumption		
With Lonworks® and Pyrolyzer Outputs Visual Alarm, Power and Fault LEDs, LCD display with all gas readings and events Relays 3 relays for Alarm1, Alarm 2 and Fault rated 30VDC, 1 A or 125VAC, 0.5 A; configurable NO or NC, latched or unlatched NO or NC, latched or unlatched o	Transmitter Unit	<5 W	
With Lonworks® and Pyrolyzer Outputs Visual Alarm, Power and Fault LEDs, LCD display with all gas readings and events Relays 3 relays for Alarm 1, Alarm 2 and Fault rated 30VDC, 1 A or 125VAC, 0.5 A; configurable NO or NC, latched or unlatched Analog 3 wire sink, 3 wire source or 4 wire fully isolated, 0 to 21mA Digital Communications Modbus®, TCP Ethernet, Power over Ethernet (PoE), Lonworks® Service Port RS232C, PPP protocol Certification and Specification CE marked Meets EN 50270:2006 (Type2) and EN 61000-6-4:2007 ETL approved UL 61010-1 Ed:3 IEEE 802.3af-2003 Performance Refer to Individual Cartridge Datasheets Transport System Flow Rate 500 mL/min Transport Time 2 to 30 seconds maximum Sample Line Tubing 3.175 mm (0.125 in) ID x 6.35 mm (0.25 in) oD Tubing Length Up to 30 m (100 ft) with FEP tubing Exhaust Line Tubing 6.35 mm (0.25 in) ID x 9.5 mm (0.375 in) OD Exhaust Length Up to 30m (100 ft) In line air filter required Operating Temperature Unit with Sensor 0°C to 40°C (32F° to 104°F)	With Pyrolyzer (Option)	<12.95 W	
Outputs Visual Alarm, Power and Fault LEDs, LCD display with all gas readings and events Relays 3 relays for Alarm1, Alarm 2 and Fault rated 30VDC, 1 A or 125VAC, 0.5 A; configurable NO or NC, latched or unlatched Analog 3 wire sink, 3 wire source or 4 wire fully isolated, 0 to 21mA Digital Communications Modbus®, TCP Ethernet, Power over Ethernet (PoE), Lonworks® Service Port RS232C, PPP protocol Certification and Specification CE marked Meets EN 50270:2006 (Type2) and EN 61000-6-4:2007 ETL approved UL 61010-1 Ed:3 IEEE 802.3af-2003 Performance Refer to Individual Cartridge Datasheets Transport System Flow Rate 500 mL/min Transport Time 2 to 30 seconds maximum Sample Line Tubing 3.175 mm (0.125 in) ID x 6.35 mm (0.25 in) 0D Tubing Length Up to 30 m (100 ft) with FEP tubing Exhaust Length Up to 30m (100 ft) Ambient Point In line air filter required Operating Temperature Unit with Sensor 0°C to 40°C (32F° to 104°F)	With Lonworks®	<8 W	
Visual Alarm, Power and Fault LEDs, LCD display with all gas readings and events	With Lonworks® and Pyrolyzer	<15.95 W	
all gas readings and events Relays 3 relays for Alarm1, Alarm 2 and Fault rated 30VDC, 1 A or 125VAC, 0.5 A; configurable NO or NC, latched or unlatched Analog 3 wire sink, 3 wire source or 4 wire fully isolated, 0 to 21mA Digital Communications Modbus®, TCP Ethernet, Power over Ethernet (PoE), Lonworks® Service Port RS232C, PPP protocol Certification and Specification CE marked Meets EN 50270:2006 (Type2) and EN 61000-6-4:2007 ETL approved UL 61010-1 Ed:3 IEEE 802.3af-2003 Performance Refer to Individual Cartridge Datasheets Transport System Flow Rate 500 mL/min Transport Time 2 to 30 seconds maximum Sample Line Tubing 3.175 mm (0.125 in) ID x 6.35 mm (0.25 in) OD Tubing Length Up to 30 m (100 ft) with FEP tubing Exhaust Line Tubing 6.35 mm (0.25 in) ID x 9.5 mm (0.375 in) OD Exhaust Length Up to 30m (100 ft) Ambient Point In line air filter required Operating Temperature Unit with Sensor 0°C to 40°C (32F° to 104°F)	Outputs		
Analog 3 wire sink, 3 wire source or 4 wire fully isolated, 0 to 21mA Digital Communications Modbus®, TCP Ethernet, Power over Ethernet (PoE), Lonworks® Service Port RS232C, PPP protocol Certification and Specification CE marked Meets EN 50270:2006 (Type2) and EN 61000-6-4:2007 ETL approved UL 61010-1 Ed:3 IEEE 802.3af-2003 Performance Refer to Individual Cartridge Datasheets Transport System Flow Rate 500 mL/min Transport Time 2 to 30 seconds maximum Sample Line Tubing 3.175 mm (0.125 in) ID x 6.35 mm (0.25 in) 0D Tubing Length Up to 30 m (100 ft) with FEP tubing Exhaust Line Tubing 6.35 mm (0.25 in) ID x 9.5 mm (0.375 in) OD Exhaust Length Up to 30m (100 ft) Ambient Point In line air filter required Operating Temperature Unit with Sensor 0°C to 40°C (32F° to 104°F)	Visual		
isolated, 0 to 21mA Digital Communications Modbus®, TCP Ethernet, Power over Ethernet (PoE), Lonworks® Service Port RS232C, PPP protocol Certification and Specification CE marked Meets EN 50270:2006 (Type2) and EN 61000-6-4:2007 ETL approved UL 61010-1 Ed:3 IEEE 802.3af-2003 Performance Refer to Individual Cartridge Datasheets Transport System Flow Rate Transport Time 2 to 30 seconds maximum Sample Line Tubing 3.175 mm (0.125 in) ID x 6.35 mm (0.25 in) 0D Tubing Length Up to 30 m (100 ft) with FEP tubing Exhaust Line Tubing 6.35 mm (0.25 in) ID x 9.5 mm (0.375 in) OD Exhaust Length Up to 30m (100 ft) Ambient Point In line air filter required Operating Temperature Unit with Sensor 0°C to 40°C (32F° to 104°F)	Relays	30VDC, 1 A or 125VAC, 0.5 A; configurable	
Ethernet (PoE), Lonworks® Service Port RS232C, PPP protocol Certification and Specification CE marked Meets EN 50270:2006 (Type2) and EN 61000-6-4:2007 ETL approved UL 61010-1 Ed:3 IEEE 802.3af-2003 Performance Refer to Individual Cartridge Datasheets Transport System Flow Rate 500 mL/min Transport Time 2 to 30 seconds maximum Sample Line Tubing 3.175 mm (0.125 in) ID x 6.35 mm (0.25 in) 0D Tubing Length Up to 30 m (100 ft) with FEP tubing Exhaust Line Tubing 6.35 mm (0.25 in) ID x 9.5 mm (0.375 in) 0D Exhaust Length Up to 30m (100 ft) Ambient Point In line air filter required Operating Temperature Unit with Sensor 0°C to 40°C (32F° to 104°F)	Analog		
CE marked Meets EN 50270:2006 (Type2) and EN 61000-6-4:2007 ETL approved UL 61010-1 Ed:3 IEEE 802.3af-2003 Performance Refer to Individual Cartridge Datasheets Transport System Flow Rate 500 mL/min Transport Time 2 to 30 seconds maximum Sample Line Tubing 3.175 mm (0.125 in) ID x 6.35 mm (0.25 in) 0D Tubing Length Up to 30 m (100 ft) with FEP tubing Exhaust Line Tubing 6.35 mm (0.25 in) ID x 9.5 mm (0.375 in) 0D Exhaust Length Up to 30m (100 ft) Ambient Point In line air filter required Operating Temperature Unit with Sensor 0°C to 40°C (32F° to 104°F)	-	Ethernet (PoE), Lonworks®	
CE marked Meets EN 50270:2006 (Type2) and EN 61000-6-4:2007 ETL approved UL 61010-1 Ed:3 IEEE 802.3af-2003	Service Port	RS232C, PPP protocol	
Meets EN 50270:2006 (Type2) and EN 61000-6-4:2007 ETL approved UL 61010-1 Ed:3 IEEE 802.3af-2003	Certification and Specification		
Refer to Individual Cartridge Datasheets Transport System Flow Rate 500 mL/min Transport Time 2 to 30 seconds maximum Sample Line Tubing 3.175 mm (0.125 in) ID x 6.35 mm (0.25 in) OD Tubing Length Up to 30 m (100 ft) with FEP tubing Exhaust Line Tubing 6.35 mm (0.25 in) ID x 9.5 mm (0.375 in) OD Exhaust Length Up to 30m (100 ft) Ambient Point In line air filter required Operating Temperature Unit with Sensor 0°C to 40°C (32F° to 104°F)		Meets EN 50270:2006 (Type2) and EN 61000-6-4:2007 ETL approved UL 61010-1 Ed:3	
Transport System Flow Rate 500 mL/min Transport Time 2 to 30 seconds maximum Sample Line Tubing 3.175 mm (0.125 in) ID x 6.35 mm (0.25 in) 0D Tubing Length Up to 30 m (100 ft) with FEP tubing Exhaust Line Tubing 6.35 mm (0.25 in) ID x 9.5 mm (0.375 in) 0D Exhaust Length Up to 30m (100 ft) Ambient Point In line air filter required Operating Temperature Unit with Sensor 0°C to 40°C (32F° to 104°F)	Performance		
Flow Rate 500 mL/min Transport Time 2 to 30 seconds maximum Sample Line Tubing 3.175 mm (0.125 in) ID x 6.35 mm (0.25 in) 0D Tubing Length Up to 30 m (100 ft) with FEP tubing Exhaust Line Tubing 6.35 mm (0.25 in) ID x 9.5 mm (0.375 in) 0D Exhaust Length Up to 30m (100 ft) Ambient Point In line air filter required Operating Temperature Unit with Sensor 0°C to 40°C (32F° to 104°F)		Refer to Individual Cartridge Datasheets	
Transport Time 2 to 30 seconds maximum Sample Line Tubing 3.175 mm (0.125 in) ID x 6.35 mm (0.25 in) 0D Tubing Length Up to 30 m (100 ft) with FEP tubing Exhaust Line Tubing 6.35 mm (0.25 in) ID x 9.5 mm (0.375 in) 0D Exhaust Length Up to 30m (100 ft) Ambient Point In line air filter required Operating Temperature Unit with Sensor 0°C to 40°C (32F° to 104°F)	Transport System		
Sample Line Tubing 3.175 mm (0.125 in) ID x 6.35 mm (0.25 in) OD Tubing Length Up to 30 m (100 ft) with FEP tubing Exhaust Line Tubing 6.35 mm (0.25 in) ID x 9.5 mm (0.375 in) OD Exhaust Length Up to 30m (100 ft) Ambient Point In line air filter required Operating Temperature Unit with Sensor 0°C to 40°C (32F° to 104°F)	Flow Rate	500 mL/min	
(0.25 in) OD Tubing Length Up to 30 m (100 ft) with FEP tubing Exhaust Line Tubing 6.35 mm (0.25 in) ID x 9.5 mm (0.375 in) OD Exhaust Length Up to 30m (100 ft) Ambient Point In line air filter required Operating Temperature Unit with Sensor 0°C to 40°C (32F° to 104°F)	Transport Time	2 to 30 seconds maximum	
Exhaust Line Tubing 6.35 mm (0.25 in) ID x 9.5 mm (0.375 in) 0D Exhaust Length Up to 30m (100 ft) Ambient Point In line air filter required Operating Temperature Unit with Sensor 0°C to 40°C (32F° to 104°F)	Sample Line Tubing	` ,	
Exhaust Length Up to 30m (100 ft) Ambient Point In line air filter required Operating Temperature Unit with Sensor 0°C to 40°C (32F° to 104°F)	Tubing Length	. , , ,	
Ambient Point In line air filter required Operating Temperature Unit with Sensor 0°C to 40°C (32F° to 104°F)	Exhaust Line Tubing	. , , , , , , , , , , , , , , , , , , ,	
Operating Temperature Unit with Sensor 0°C to 40°C (32F° to 104°F)	<u> </u>	. , ,	
Unit with Sensor 0°C to 40°C (32F° to 104°F)	Ambient Point	In line air filter required	
	Operating Temperature		
Unit with Sensor and Pyrolyzer 0° to 30°C (32F° to 86°F)	Unit with Sensor	0°C to 40°C (32F° to 104°F)	
	Unit with Sensor and Pyrolyzer	0° to 30°C (32F° to 86°F)	

Wiring Requirement				
4-20mA	3-4 wire, 14 AWG maximum			
Digital	CAT5 Cable or equivalent; RJ45 connector			
Gas Concentration Display and Interface				
Instrument	4-digit alphanumeric display with separate units, flow rate bar graph and other icon driven indicators. 4 button interface keypad			
Remote	Option for PC / PDA Internet browser access via Ethernet			
Warranty				
Transmitter Unit	1 year			
Sensor cartridge	1 year standard, 2 years extended warranty			
Expected Pyrolyzer Life	2 year life (24 month warranty)			
Installation Details				
Mounting	Wall mounted using pre-drilled holes on chassis. Options for DIN rail or vertical bracket mounting			
Remote	Cover: Painted steel Chassis/Mounting Bracket: Zinc plated steel			

Midas Cartridge Detectable Gases





Gas Name	Chemical Formula	Range	Sensor Part Number
Ammonia	NH ₂	9-100 ppm	MIDAS-E-NH3
Arsine	AsH ₃	18-200 ppb	MIDAS-E-ASH
Boron Trichloride	BCI ₂	0.72-8 ppm	MIDAS-E-HCL
Boron Trifluoride	BF ₃	0.72-8 ppm	MIDAS-E-HFX
Boron Trifluoride (Low Level)	BF ₃	0.18-2 ppm	MIDAS-E-HFL
Bromine	Br ₂	0.036-0.4 ppm	MIDAS-E-BR2
Carbon Dioxide	CO ₂	0.15-2.0%	MIDAS-E-CO2
Carbon Dioxide	CO ₂	0.15-2.0%	MIDAS-I-CO2
Carbon Dioxide	CO ₂	0.15-5.0%	MIDAS-I-CO2
Carbon Dioxide	CO ₂	0.015-0.2%	MIDAS-I-CO2
Carbon Monoxide	CO	9-100 ppm	MIDAS-E-COX
Chlorine	Cl ₂	0.18-2 ppm	MIDAS-E-HAL
Chlorine Dioxide	CIO ₂	0.036-0.4 ppm	MIDAS-E-BR2
Diborane	B ₂ H6	36-400 ppb	MIDAS-E-B2H
Dichlorosilane	H ₂ Cl ₂ Si	0.72-8 ppm	MIDAS-E-HCL
Difluoromethane**	CH ₂ F ₂	16-240 ppm	MIDAS-E-XCF
Disilane	Si ₂ H6	1.8-20 ppm	MIDAS-E-SHX
Fluorine		0.36-4 ppm	MIDAS-E-HAL
Germane	F ₂	· · ·	MIDAS-E-ASH
Hexafluorobutadiene**	GeH ₄	70-800 ppb 1.7-40 ppm	MIDAS-E-XCF
Hydrogen (%LEL)	C ₄ F ₆	8-100% LEL	MIDAS-E-LEL*
	H ₂	90-1000 ppm	
Hydrogen (ppm) Hydrogen Bromide	H ₂		MIDAS-E-H2X MIDAS-E-HCL
		0.72-8 ppm	MIDAS-E-HCL
Hydrogen Chloride	HCI	0.72-8 ppm	
Hydrogen Cyanide	HCN HF	1.8-20 ppm	MIDAS-E-HCN
Hydrogen Fluoride		1.05-12 ppm	MIDAS-E-HFX
Hydrogen Fluoride (Low Level)***	HFL	0.18-2 ppm	MIDAS-E-HFL
Hydrogen Sulfide	H ₂ S	3.6-40 ppm	MIDAS-E-H2S
Methane (%LEL)	CH ₄	8-100% LEL	MIDAS-E-LEL*
Methyl Fluoride**	CH₃F	8-120 ppm	MIDAS-E-XHF
Nitric Oxide	NO No	9-100 ppm	MIDAS-E-NOX
Nitrogen Dioxide	NO ₂	1.05-12 ppm	MIDAS-E-NO2
Nitrogen Trifluoride**	NF ₃	3.6-40 ppm	MIDAS-E-XFH
Nitrous Oxide	N ₂ O	100-1000 ppm	MIDAS-I-N20
Octofluorocyclopentene**	C ₅ F ₈	2-40 ppm	MIDAS-E-XCF
Oxygen	02	0.2-25% v/v	MIDAS-E-02X
Ozone	03	0.065-0.7 ppm	MIDAS-E-03H
Ozone (Low Level)	03	0.036-0.4 ppm	MIDAS-E-03X
Phosphine	PH ₃	110-1200 ppb	MIDAS-E-PH3
Silane	SiH ₄	1.8-20 ppm	MIDAS-E-SHX
Silane (Low Level)	SiH ₄	0.18-2 ppm	MIDAS-E-SHL
Sulfur Dioxide	SO ₂	0.7-8 ppm	MIDAS-E-S02
Tetra Ethyl Ortho Silicate	TEOS	3.6-40 ppm	MIDAS-E-TEO
Tungsten Hexafluoride	WF ₆	1.05-12 ppm	MIDAS-E-HFX
Tungsten Hexafluoride (Low Level)	WF ₆	0.18-2 ppm	MIDAS-E-HFL

^{*}MIDAS-E-LEL Cartridge carries a 2-year warranty but can be calibrated up to 5 years

^{**}Gases require Midas Pyrolyzer

^{***}Due to US Government regulations, this range may be subject to restrictions requiring special licensing for certain countries

Our Product Range









Fixed Gas Monitoring

Honeywell Analytics offers a wide range of fixed gas detection solutions for a diverse array of industries and applications including: Commercial properties, industrial applications, semiconductor manufacturers, energy plants and petrochemical sites.

- Detection of flammable, Oxygen and toxic gases (including exotics)
- Innovative use of four core sensing technologies – paper tape, electrochemical cell, catalytic bead and infrared
- Capability to detect down to Parts Per Billion (ppb) or Percent by Volume (%v/v)
- Cost effective regulatory compliance solutions

Portable Gas Monitoring

When it comes to personal protection from gas hazards, Honeywell Analytics has a wide range of reliable solutions ideally suited for use in confined or enclosed spaces. These include:

- Detection of flammable, Oxygen and toxic gases
- Single gas personal monitors worn by the individual
- Multi-gas portable gas monitors used for confined space entry and regulatory compliance
- Multi-gas transportable monitors used for temporary protection of area during site construction and maintenance activities

Technical Services

At Honeywell Analytics, we believe in the value of great service and customer care. Our key commitment is providing complete and total customer satisfaction. Here are just a few of the services we can offer:

- » Full technical support
- Expert team on hand to answer questions and queries
- Fully equipped workshops to ensure quick turnaround on repairs
- Comprehensive service engineer network
- Training on product use and maintenance
- » Mobile calibration service
- Customised programmes of preventative/corrective maintenance
- Extended warranties on products

Find out more

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