GasAlertMicro 5 Series

multi-gas detectors

VOCs
CO_2
LEL
H_2S
CO
O_2
SO_2
PH_3
NH_3
NO_2
HCN
Cl_2
ClO_2
O_3

Protect yourself

Simultaneously monitor and display up to five atmospheric hazards with the GasAlertMicro 5 Series. Adaptable to a variety of applications, the GasAlertMicro 5 Series has an extensive selection of user-settable field options and is available as either a standard toxic gas model, a PID model for the detection VOCs, or an IR model for CO_2 detection. Use the passcode function to prevent unauthorized modifications of the instrument's settings. Compatible with BW's MicroDock II automatic test and calibration system, the GasAlertMicro 5 Series is unparalleled in its versatility, performance and overall value.

NEW
Generation 2 pump
with visible integrated filter

- Measure up to five atmospheric hazards concurrently
- Fully customizable to suit any application
- Rapidly switch from diffusion mode to the optional integrated pump in the field

WATER RESISTANT

BW Technologies
by Honeywell

Wear yellow. Work safe.

1.888.610.7664 www.calcert.com sales@calcert.com

Sensor for fifth toxic, PID, or CO_2 hazards

Four bright, wide-angled alarm bars

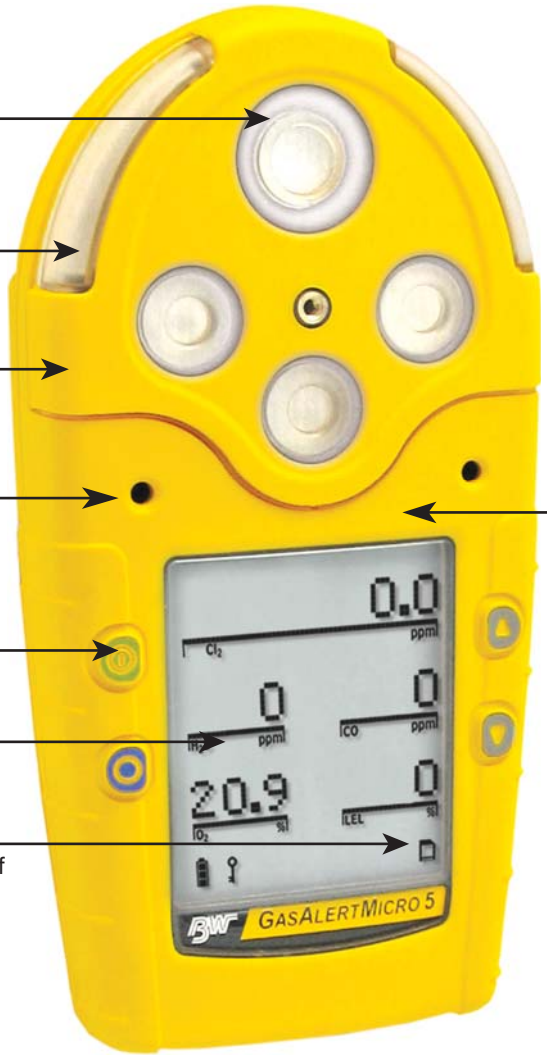
Integral concussion-proof enclosure

95 dB audible alarm (typical)

Raised buttons, easy to use with gloves

Large, easy-to-read display

Optional datalogging stores several months of continuous data



Quickly switch from diffusion to integral pump option

NEW

Replaceable integrated filter
- window enables user to visually inspect filter
- provides superior dust and water resistance

Multiple charging options available

Internal vibrating alarm for high-noise areas

Stainless steel alligator clip

AA alkaline or hot-swappable rechargeable battery pack options allow for battery installation in the field

Instrument model differences

	GasAlertMicro 5	GasAlertMicro 5 PID	GasAlertMicro 5 IR
Gases Detected	H_2S, CO, O_2, SO_2, PH_3, NH_3, NO_2, HCN, Cl_2, ClO_2, O_3 and combustibles (LEL)	VOCs (PID), H_2S, CO, O_2, SO_2, PH_3, NH_3, NO_2, HCN, Cl_2, ClO_2, O_3 and combustibles (LEL)	CO_2 (IR), H_2S, CO, O_2, SO_2, NH_3, O_3 and combustibles (LEL)
Sensors	Plug-in, electrochemical cell (toxic and oxygen); catalytic (LEL)	Plug-in, electrochemical cell (toxic and oxygen); catalytic (LEL); Photoionization detector (PID) with 10.6 eV lamp for volatile organic compounds (VOCs)	Plug-in, electrochemical cell (toxic and oxygen); catalytic (LEL); infrared (IR) for carbon dioxide (CO_2)
Typical battery life[1]			
AA Alkaline	20 hours	15 hours	15 hours
Rechargeable	20 hours	15 hours	15 hours

[1] *Based on the run time of a 5-gas instrument in diffusion mode at +68°F/+20°C, other instrument configurations or environmental conditions may increase/decrease the battery life of your instrument.*

Industrial Applications

Sensors
The GasAlertMicro 5 is available in three models: toxic/electrochemical, PID (for VOCs) or IR (for CO_2). For more information about available sensor configurations, please contact BW Technologies by Honeywell.

Electrochemical and catalytic bead sensors available for:

H_2S	CO	O_2
SO_2	Cl_2	ClO_2
NH_3	PH_3	HCN
NO_2	O_3	Combustibles (LEL)

Photoionization sensor available for volatile organic compounds (VOCs) detection.

Infrared (IR) gold series sensors available for carbon dioxide (CO_2) detection.

Note: Due to board and sensor configuration GasAlertMicro 5 models are not interchangeable (i.e. a PID sensor cannot be used in a IR configured unit).

GasAlertMicro 5	
Industry or Application	Sources of Additional Hazards
Confined Space Entry	Various sources - industrial chemicals
Wastewater Plants	Cl_2, NH_3, ClO_2 from treatment
Steel / Iron Production	NO_2
Pulp and Paper	Cl_2 from bleaching
Food and Beverage	NH_3 from refrigerants, ice production PH_3 from fumigation
Construction	Confined space entry, trenching, and NO_2 from diesel exhaust

GasAlertMicro 5 PID	
Industry or Application	Sources of VOC Hazards
Confined Space Entry	Respiration and aerobic bacterial decomposition
Hazmat / Homeland Security	Detect flammables not detected by LEL sensor (diesel, gasoline vapor, turpentine, etc)
Industrial Hygiene and Confined Space	Wide number of potential hazards (benzene, diesel, ethanol, toluene, etc.) dependant on industry
Airlines (wing-tank entry)	Jet fuel not detectable by LEL sensor, PID required
Landfills	Decomposing organic matter, emission of chemical compounds
Oil and Gas	By-products of refining processes
Chemical Plants	Number of potential hazards dependant on product and process of manufacturing

GasAlertMicro 5 IR	
Industry or Application	Sources of CO_2 Hazards
Confined Space Entry	Respiration and aerobic bacterial decomposition
Wineries and Breweries	By-product of yeast fermentation
Agriculture	Greenhouses, mushroom farms use CO_2 to enhance growth; also used to speed ripening of fruits and vegetables, aerobic bacteria in manure pits
Marine Fuel Transport / Shipping and Shipyards	Used for fire suppression and inerting cargo holds
Oil Well Fracturing	Injected into mature wells for further oil extraction
Wastewater Treatment	Aerobic bacteria
Food Industry / Cold Storage	Solid CO_2 (dry ice) used as a refrigerant and for carbonation; CO_2 used in packaging to extend storage shelf life
Industrial and Chemical Manufacturing	CO_2 used in various processes
Landfills	Biodegradation (aerobic decomposition) of waste

Both the diffusion and pumped configurations are compatible with the MicroDock II automated bump test and calibration system

Standard features of BW products:

- Continuous LCD shows real-time gas concentrations
- Water-resistant
- Automatic calibration procedure; compatible with BW MicroDock II automatic test and calibration station
- Full function self-test of sensor, battery status, circuit integrity and audible/visual alarms on start up
- Bright wide-angled visual alarm bars
- Built-in concussion-proof boot

GasAlertMicro 5 Specifications

Size	5.7 x 2.9 x 1.5 in. / 14.5 x 7.4 x 3.8 cm
Weight	13.1 oz. / 370 g
Temperature	-4 to +122°F / -20 to +50°C 14 to +104°F / -10 to +40°C (PID)
Alarms	- Visual, vibrating, audible (95 dB) - Low, High, STEL, TWA, OL (over limit)
Tests	Sensor integrity, circuitry, battery and audible/visual alarms on activation, battery (continuous)
Pump	Optional; Sample from up to 66 ft. / 20 m
User options	Confidence beep Set STEL interval Set TWA method Sensor on/off Latching alarms Safe display mode Stealth mode Adjust Clock Set datalogger rate Passcode protection Correction factor library (LEL, PID) Fast pump Combustible gas measurement (% LEL or % by volume methane) O_2 auto calibration on start up Automatic backlight Sleep mode User-settable calibration gas level Calibration due lockout Daily bump test Language choices (five) High resolution
Ratings	EMI/RFI: Complies with EMC Directive 89/336/EEC IP 65/66
Certifications and approvals	Class I, Div. 1, Gr. A, B, C, D American Bureau of Shipping - Toxic & PID models **ATEX:** CE Ex II 1 G Ga Ex ia IIC T4* CE Ex II 2 G - IR model only Ex d ia IIC T4* **IECEx:** Ga Ex ia IIC T4* Ex d ia IIC T4* - IR model only **Temperature codes may vary as a function of the batteries installed. Please see owner's manual for a complete listing of compatible batteries and codes.*
Warranty	Full two year warranty including sensors *(1 year NH_3, Cl_2, O_3, ClO_2 and PID lamp)*

Additional GasAlertMicro 5 Features:

- Integral motorized pump option for remote sampling
- Equipped with internal vibrating alarm for high noise areas
- Two power options: AA alkaline or rechargeable hot-swappable battery packs
- Multi-language support in English, French, German, Spanish and Portuguese

Options and Accessories

Integral pump and battery charger

Confined space kit

Belt holster

Collapsible sampling probe

For a complete list of accessories, please contact BW Technologies.

Sensor Specifications

Gas	Measuring Range (ppm)	Default Resolution (ppm)	High Resolution (ppm)
H_2S	0-500	1.0	0.1
CO	0-999	1.0	N/A
TwinTox (H_2S)	0-500	1.0	0.1
TwinTox (CO)	0-500	1.0	N/A
O_2	0-30.0%	0.1%	N/A
SO_2	0-150	1.0	0.1
PH_3	0-5.0	1.0	0.1
NH_3	0-100	1.0	0.1
NO_2	0-99.9	1.0	0.1
HCN	0-30.0	1.0	0.1
Cl_2	0-50.0	1.0	0.1
ClO_2	0-1.0	0.1	0.01
O_3	0-1.0	0.1	0.01
PID (VOCs)	0-1000	1	N/A
IR (CO_2)	0-50,000 0-5.0% v/v	50 0.01%	N/A N/A
Combustible gases	0-100% LEL 0-5.0% v/v	1% 0.1%	N/A

Alarm set points for all sensors are user adjustable. Set point(s) are automatically displayed during instrument start up.

Locally available from

BW Technologies by Honeywell

DUE TO ONGOING RESEARCH AND PRODUCT IMPROVEMENT, SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

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GasAlertMicro 5 Series

Multi-Gas (1–5) Detectors

VOCs, CO_2, LEL, H_2S, CO, O_2, SO_2, PH_3, NH_3, NO_2, HCN, Cl_2, ClO_2, O_3

GasAlertMicro 5 50
GasAlertMicro 5 PID 52
GasAlertMicro 5 IR 54
GasAlertMicro 5 Series Accessories, Spares & Replacements 56
GasAlertMicro 5 Series Service Parts 60

Protect yourself

Compact and lightweight, GasAlertMicro 5 Series instruments are available in diffusion or pumped instruments. The portable gas detectors simultaneously monitors and displays up to five potential atmospheric hazards. The GasAlertMicro 5 PID model also identifies PID detectable VOCs, while the GasAlertMicro 5 IR uses an NDIR sensor to monitor CO_2 levels. Adaptable to a variety of applications, GasAlertMicro 5 Series instruments have an extensive selection of user-settable field options. Use the passcode function to prevent unauthorized modifications of the instrument's settings. Compatible with BW's MicroDock II automatic test and calibration system, GasAlertMicro 5 Series instruments are unparalleled in their versatility, performance and overall value.

Standard Package Contents

- Detector complete with specified sensor(s), stainless steel alligator clip and concussion-proof housing
- Rechargeable battery pack or alkaline pack with three AA batteries
- Cradle charger and wall outlet charging adaptor (with rechargeable battery option)
- Sample probe (with motorized pump option)
- Screwdriver
- Calibration/test adaptor and hose
- Manual
- Multi-language CD manual

General Specifications

Size	5.7 x 2.9 x 1.5 in. / 14.5 x 7.4 x 3.8 cm
Weight	13.1 oz. / 370 g
Operating temperature	-4 to +122°F / -20 to +50°C 14 to +104°F / -10 to +40°C (PID)
Typical battery life	20 hours (15 hours PID/IR)* **Based on a 5-gas instrument in diffusion mode at 68ºF / 20ºC*
Certifications and approvals	Class I, Div. 1, Gr. A, B, C, D American Bureau of Shipping (Toxic and PID models) **ATEX:** CE Ex II 1 G Ga Ex ia IIC T4* CE Ex II 2 G (IR model only) Ex d ia IIC T4* **IECEx:** Ga Ex ia IIC T4* Ex d ia IIC T4* (IR model only) **Temperature codes may vary as a function of the batteries installed. Please see owner's manual for a complete listing of compatible batteries and codes.*
Warranty	Full two year warranty including sensors (one year Cl_2, NH_3, O_3, ClO_2 and PID sensor)

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GasAlertMicro 5 Series (continued)

GasAlertMicro 5 Detector	Order Number
%LEL, O_2, H_2S, CO, SO_2 - rechargeable battery, yellow housing	M5-XWSY-R-D-D-Y-N-00
%LEL, O_2, H_2S, CO, SO_2 - rechargeable battery and pump, yellow housing	M5-XWSY-R-P-D-Y-N-00
%LEL, O_2, H_2S, CO, NH_3 - rechargeable battery, yellow housing	M5-XWAY-R-D-D-Y-N-00
%LEL, O_2, H_2S, CO, NH_3 - rechargeable battery and pump, yellow housing	M5-XWAY-R-P-D-Y-N-00
%LEL, O_2, H_2S, CO, Cl_2 - rechargeable battery, yellow housing	M5-XWCY-R-D-D-Y-N-00
%LEL, O_2, H_2S, CO, Cl_2 - rechargeable battery and pump, yellow housing	M5-XWCY-R-P-D-Y-N-00
%LEL, O_2, H_2S, CO - alkaline batteries and pump, yellow housing	M5-XW0Y-A-P-D-Y-N-00
%LEL, O_2, H_2S, CO - rechargeable battery, yellow housing	M5-XW0Y-R-D-D-Y-N-00
%LEL, O_2, H_2S, CO - rechargeable battery and pump, yellow housing	M5-XW0Y-R-P-D-Y-N-00
%LEL, O_2, H_2S, CO, SO_2 - rechargeable battery, black housing	M5-XWSY-R-D-D-B-N-00
%LEL, O_2, H_2S, CO, SO_2 - rechargeable battery and pump, black housing	M5-XWSY-R-P-D-B-N-00
%LEL, O_2, H_2S, CO, NH_3 - rechargeable battery, black housing	M5-XWAY-R-D-D-B-N-00
%LEL, O_2, H_2S, CO, NH_3 - rechargeable battery and pump, black housing	M5-XWAY-R-P-D-B-N-00
%LEL, O_2, H_2S, CO, Cl_2 - rechargeable battery, black housing	M5-XWCY-R-D-D-B-N-00
%LEL, O_2, H_2S, CO, Cl_2 - rechargeable battery and pump, black housing	M5-XWCY-R-P-D-B-N-00
%LEL, O_2, H_2S, CO - alkaline batteries and pump, black housing	M5-XW0Y-A-P-D-B-N-00
%LEL, O_2, H_2S, CO - rechargeable battery, black housing	M5-XW0Y-R-D-D-B-N-00
%LEL, O_2, H_2S, CO - rechargeable battery and pump, black housing	M5-XW0Y-R-P-D-B-N-00

GasAlertMicro 5 Region Codes

For orders outside North America, change order number component "-N" to:			
"-E"	Europe	"-B"	Brazil
"-U"	United Kingdom	"-X"	Other region with 3-pin UK plug
"-A"	Australia	"-Y"	Other region with 2-pin UK plug
"-C"	China/New Zealand		

Note: Listed above are commonly ordered instrument configurations. To create a custom GasAlertMicro 5 detector, use the configurator table on the next page or contact BW Technologies for a copy of the electronic order number configurator.

Gas Legend

%LEL	Combustible (W)	ClO_2	Chlorine dioxide (V)
O_2	Oxygen (X)	NH_3	Ammonia (A)
H_2S	Hydrogen sulfide (H)	PH_3	Phosphine (P)
CO	Carbon monoxide (M)	HCN	Hydrogen cyanide (Z)
SO_2	Sulfur dioxide (S)	NO_2	Nitrogen dioxide (D)
Cl_2	Chlorine (C)	O_3	Ozone (G)

GasAlertMicro 5
Diffusion version

GasAlertMicro 5
Pump version

GasAlertMicro5 Order Number Configurator

▶ Sensor - Toxic 2	
None (dummy sensor)	0
CO and H_2S (Duo-Tox dual channel)	Y
H_2S (hydrogen sulfide)	H
CO (carbon monoxide)	M
Cl_2 (chlorine)	C
ClO_2 (chlorine dioxide)	V
PH_3 (phosphine)	P
HCN (hydrogen cyanide)	Z
NO_2 (nitrogen dioxide)	D
O_3 (ozone)	G

▶ Sensor - Toxic 1	
None (dummy sensor)	0
H_2S (hydrogen sulfide)	H
CO (carbon monoxide)	M
SO_2 (sulfur dioxide)*	S*
Cl_2 (chlorine)	C
ClO_2 (chlorine dioxide)	V
NH_3 (ammonia)*	A*
PH_3 (phosphine)	P
HCN (hydrogen cyanide)†	Z†
NO_2 (nitrogen dioxide)	D
O_3 (ozone)	G

▶ Sensor - Combustible Gases	
None (dummy sensor)	0
%LEL (combustibles)	W

▶ Sensor - Oxygen	
None	0
O_2 (oxygen)	X

▶ Base Unit	
Base unit	M5

▶ Battery	
A	Alkaline
R	Rechargeable battery pack and cradle charger

▶ Sampling	
D	Diffusion
P	Motorized sampling pump

▶ Datalogging	
D	Datalogging monitor (with Fleet Manager II software)

▶ Housing	
Y	Yellow housing
B	Black housing

▶ Region	
N	North America
E	Europe
C	China/New Zealand
U	United Kingdom
A	Australia
B	Brazil
X	Other region with 3-pin UK plug
Y	Other region with 2-pin EU plug

Order number:	M5	-					-		-	D	-		-	00

For example, the order number for a GasAlertMicro 5 configured for O_2, %LEL, Cl_2, H_2S and CO and equipped with a rechargeable battery pack and cradle charger, motorized sampling pump, yellow housing and North American power connectivity would be M5-XWCY-R-P-D-Y-N-00.

**Note: Some gases (e.g. SO_2 and NH_3) cannot be combined in the same GasAlertMicro 5 configuration. Please check with Customer Service for specific availability.*

†Note: HCN can only be ordered in the Toxic 1 location when the Duo-Tox (CO/H_2S) sensor is ordered in the Toxic 2 location. In all other configurations, HCN must be ordered in the Toxic 2 location.

USA 1.888.749.8878
Canada 1.800.663.4164
Latin & South America +55.11.3309.1030

Europe +41 (0) 44.943.4300
Germany +49 (0) 2137.17.6522
France +33 (0) 442.98.17.70
Middle East +971.4.4505852

China +86.10.6786.7305
S.E. Asia +65.6580.3468
Australia +1.300.729.450
Other Countries +1.403.248.9226

www.gasmonitors.com
info@gasmonitors.com

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GasAlertMicro 5 Series (continued)

GasAlertMicro 5 PID Detector	Order Number
VOCs, %LEL, O_2, H_2S, CO - alkaline batteries and pump, yellow housing	M5PID-XWQY-A-P-D-Y-N-00
VOCs, %LEL, O_2, H_2S, CO - rechargeable battery and pump, yellow housing	M5PID-XWQY-R-P-D-Y-N-00
VOCs, %LEL, O_2 - alkaline batteries and pump, yellow housing	M5PID-XWQ0-A-P-D-Y-N-00
VOCs, %LEL, O_2 - rechargeable battery and pump, yellow housing	M5PID-XWQ0-R-P-D-Y-N-00
VOCs - alkaline batteries and pump, yellow housing	M5PID-00Q0-A-P-D-Y-N-00
VOCs - rechargeable battery and pump, yellow housing	M5PID-00Q0-R-P-D-Y-N-00
VOCs, %LEL, O_2, H_2S, CO - alkaline batteries and pump, black housing	M5PID-XWQY-A-P-D-B-N-00
VOCs, %LEL, O_2, H_2S, CO - rechargeable battery and pump, black housing	M5PID-XWQY-R-P-D-B-N-00
VOCs, %LEL, O_2 - alkaline batteries and pump, black housing	M5PID-XWQ0-A-P-D-B-N-00
VOCs, %LEL, O_2 - rechargeable battery and pump, black housing	M5PID-XWQ0-R-P-D-B-N-00
VOCs - alkaline batteries and pump, black housing	M5PID-00Q0-A-P-D-B-N-00
VOCs - rechargeable battery and pump, black housing	M5PID-00Q0-R-P-D-B-N-00

GasAlertMicro 5 PID Region Codes

For orders outside North America, change order number component "-N" to:			
"-E"	Europe	"-B"	Brazil
"-U"	United Kingdom	"-X"	Other region with 3-pin UK plug
"-A"	Australia	"-Y"	Other region with 2-pin UK plug
"-C"	China/New Zealand		

Note: Listed above are commonly ordered instrument configurations. To create a custom GasAlertMicro 5 PID detector, use the configurator table on the next page or contact BW Technologies for a copy of the electronic order number configurator.

Gas Legend

%LEL	Combustible (W)	ClO_2	Chlorine dioxide (V)
O_2	Oxygen (X)	NH_3	Ammonia (A)
H_2S	Hydrogen sulfide (H)	PH_3	Phosphine (P)
CO	Carbon monoxide (M)	HCN	Hydrogen cyanide (Z)
SO_2	Sulfur dioxide (S)	NO_2	Nitrogen dioxide (D)
Cl_2	Chlorine (C)	O_3	Ozone (G)
VOCs	Volatile organic compounds (Q)		

GasAlertMicro 5 PID
Diffusion version

GasAlertMicro 5 PID
Pump version

GasAlertMicro 5 PID Order Number Configurator

▶ Sensor - Toxic 2	
None (dummy sensor)	0
CO and H_2S (Duo-Tox dual channel)	Y
H_2S (hydrogen sulfide)	H
CO (carbon monoxide)	M
SO_2 (sulfur dioxide)	S
Cl_2 (chlorine)	C
ClO_2 (chlorine dioxide)	V
NH_3 (ammonia)	A
PH_3 (phosphine)	P
HCN (hydrogen cyanide)	Z
NO_2 (nitrogen dioxide)	D
O_3 (ozone)	G

▶ Sensor - Toxic 1	
None (dummy sensor)	0
PID (photoionization detector) for VOCs (volatile organic compounds)	Q

▶ Sensor - Combustible Gases	
None (dummy sensor)	0
%LEL (combustibles)	W

▶ Sensor - Oxygen	
None	0
O_2 (oxygen)	X

▶ Base Unit	
Base unit	M5PID

▶ Battery	
A	Alkaline
R	Rechargeable battery pack and cradle charger

▶ Sampling	
D	Diffusion
P	Motorized sampling pump

▶ Datalogging	
D	Datalogging monitor (with Fleet Manager II software)

▶ Housing	
Y	Yellow housing
B	Black housing

▶ Region	
N	North America
E	Europe
C	China/New Zealand
U	United Kingdom
A	Australia
B	Brazil
X	Other region with 3-pin UK plug
Y	Other region with 2-pin EU plug

Order number:	M5PID	-					-		-	D	-		-		-	00

For example, the order number for a GasAlertMicro 5 PID configured for O_2, %LEL, VOCs, H_2S and CO and equipped with a rechargeable battery pack and cradle charger, motorized sampling pump, yellow housing and North American power connectivity would be M5PID-XWQY-R-P-D-Y-N-00.

**Note: Some gases cannot be combined in the same GasAlertMicro 5 configuration. Please check with Customer Service for specific availability.*

USA 1.888.749.8878
Canada 1.800.663.4164
Latin & South America +55.11.3309.1030

Europe +41 (0) 44.943.4300
Germany +49 (0) 2137.17.6522
France +33 (0) 442.98.17.70
Middle East +971.4.4505852

China +86.10.6786.7305
S.E. Asia +65.6580.3468
Australia +1.300.729.450
Other Countries +1.403.248.9226

www.gasmonitors.com
info@gasmonitors.com

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GasAlertMicro 5 Series (continued)

GasAlertMicro 5 IR Detector	Order Number
CO_2 (IR), %LEL, O_2, H_2S, CO - rechargeable battery, yellow housing	M5IR-XWBY-R-D-D-Y-N-00
CO_2 (IR), %LEL, O_2, H_2S, CO - rechargeable battery and pump, yellow housing	M5IR-XWBY-R-P-D-Y-N-00
CO_2 (IR), %LEL, O_2, H_2S - rechargeable battery, yellow housing	M5IR-XWBH-R-D-D-Y-N-00
CO_2 (IR), %LEL, O_2, H_2S - rechargeable battery and pump, yellow housing	M5IR-XWBH-R-P-D-Y-N-00
CO_2 (IR), %LEL, O_2 - rechargeable battery, yellow housing	M5IR-XWB0-R-D-D-Y-N-00
CO_2 (IR), %LEL, O_2 - rechargeable battery and pump, yellow housing	M5IR-XWB0-R-P-D-Y-N-00
CO_2 (IR) - rechargeable battery, yellow housing	M5IR-00B0-R-D-D-Y-N-00
CO_2 (IR) - rechargeable battery and pump, yellow housing	M5IR-00B0-R-P-D-Y-N-00
CO_2 (IR), %LEL, O_2, H_2S, CO - rechargeable battery, black housing	M5IR-XWBY-R-D-D-B-N-00
CO_2 (IR), %LEL, O_2, H_2S, CO - rechargeable battery and pump, black housing	M5IR-XWBY-R-P-D-B-N-00
CO_2 (IR), %LEL, O_2, H_2S - rechargeable battery, black housing	M5IR-XWBH-R-D-D-B-N-00
CO_2 (IR), %LEL, O_2, H_2S - rechargeable battery and pump, black housing	M5IR-XWBH-R-P-D-B-N-00
CO_2 (IR), %LEL, O_2 - rechargeable battery, black housing	M5IR-XWB0-R-D-D-B-N-00
CO_2 (IR), %LEL, O_2 - rechargeable battery and pump, black housing	M5IR-XWB0-R-P-D-B-N-00
CO_2 (IR) - rechargeable battery, black housing	M5IR-00B0-R-D-D-B-N-00
CO_2 (IR) - rechargeable battery and pump, black housing	M5IR-00B0-R-P-D-B-N-00

GasAlertMicro 5 IR Region Codes

For orders outside North America, change order number component "-N" to:			
"-E"	Europe	"-B"	Brazil
"-U"	United Kingdom	"-X"	Other region with 3-pin UK plug
"-A"	Australia	"-Y"	Other region with 2-pin UK plug
"-C"	China/New Zealand		

Note: Listed above are commonly ordered instrument configurations. To create a custom GasAlertMicro 5 IR detector, use the configurator table on the next page or contact BW Technologies for a copy of the electronic order number configurator.

Gas Legend

CO_2	Carbon dioxide (B)	CO	Carbon monoxide (M)
%LEL	Combustible (W)	SO_2	Sulfur dioxide (S)
O_2	Oxygen (X)	NH_3	Ammonia (A)
H_2S	Hydrogen sulfide (H)	O_3	Ozone (G)

GasAlertMicro 5 IR
Diffusion version

GasAlertMicro 5 IR
Pump version

GasAlertMicro 5 IR Order Number Configurator

▶ Sensor - Toxic 2	
None (dummy sensor)	0
CO and H_2S (Duo-Tox dual channel)	Y
H_2S (hydrogen sulfide)	H
CO (carbon monoxide)	M
SO_2 (sulfur dioxide)	S
NH_3 (ammonia)	A
O_3 (ozone)	G

▶ Sensor - Toxic 1	
None (dummy sensor)	0
IR (infrared) for CO_2 (carbon dioxide)	B

▶ Sensor - Combustible Gases	
None (dummy sensor)	0
%LEL (combustibles)	W

▶ Sensor - Oxygen	
None	0
O_2 (oxygen)	X

▶ Base Unit	
Base unit	M5IR

▶ Battery	
A	Alkaline
R	Rechargeable battery pack and cradle charger

▶ Sampling	
D	Diffusion
P	Motorized sampling pump

▶ Datalogging	
D	Datalogging monitor (with Fleet Manager II software)

▶ Housing	
Y	Yellow housing
B	Black housing

▶ Region	
N	North America
E	Europe
C	China/New Zealand
U	United Kingdom
A	Australia
B	Brazil
X	Other region with 3-pin UK plug
Y	Other region with 2-pin EU plug

Order number:	M5IR	-					-		-	D	-		-	00

For example, the order number for a GasAlertMicro 5 IR configured for O_2, %LEL, CO_2, H_2S and CO and equipped with a rechargeable battery pack and cradle charger, motorized sampling pump, yellow housing and North American power connectivity would be M5IR-XWBY-R-P-D-Y-N-00.

**Note: Some gases cannot be combined in the same GasAlertMicro 5 configuration. Please check with Customer Service for specific availability.*

USA 1.888.749.8878
Canada 1.800.663.4164
Latin & South America +55.11.3309.1030

Europe +41 (0) 44.943.4300
Germany +49 (0) 2137.17.6522
France +33 (0) 442.98.17.70
Middle East +971.4.4505852

China +86.10.6786.7305
S.E. Asia +65.6580.3468
Australia +1.300.729.450
Other Countries +1.403.248.9226

www.gasmonitors.com
info@gasmonitors.com

BW Technologies by Honeywell

1.888.610.7664 www.calcert.com sales@calcert.com

GasAlertMicro 5 Series (continued)

Confined Space Kits	Order Number
GasAlertMicro 5 Series deluxe confined space kit - includes manual aspirator kit, sampling probe with holster, five spare auxiliary filters and three spare quick connect fittings, 10 ft. / 3 m sampling hose, carrying holster, calibration cap and 1.0 LPM regulator *Detector, calibration gas and motorized sampling pump sold separately.*	M5-CK-DL
Carrying case for GasAlertMicro 5 Series with foam and lid insert	M5-CK-CC

Carrying & Protective Accessories	Order Number
Concussion-proof boot, diffusion units	GA-BM5-1
Concussion-proof boot, pump units	GA-BM5-2
Carrying holster	GA-HM5
Neck strap with safety release	GA-NS-1
Short strap (6 in. / 15.2 cm)	GA-LY-1
Extension strap (4 ft. / 1.2 m)	GA-ES-1
Chest harness	GA-CH-2

Concussion-Proof Boot
GA-BM5-2
For GasAlertMicro 5 Series pumped units

Concussion-Proof Boot
GA-BM5-1
For GasAlertMicro 5 Series diffusion units

Deluxe Confined Space Kit
M5-CK-DL

Carrying Holster
GA-HM5
Fits securely on belt

Sampling & Testing Equipment	Order Number
Integral motorized pump kit - Yellow - Black *Includes motorized pump cover, 1 ft. / 30 cm sample probe with hydrophobic barrier (water trap) and particulate filters, 5 ft. / 1.5 m sampling hose and two spare pump filters*	 M5-PUMP M5-PUMPB
Auxiliary pump filter compatible with hose	M5-QCONN-K1
Auxiliary pump filter for use with Generation 2 pump modules (with filter window) - Kit of 5 - Kit of 100	 M5-AF-K3 M5-AF-K3-100
Auxiliary pump filter for use with legacy Generation 1 pump modules (without filter window) - Kit of 5 - Kit of 100	 M5-AF-K2 M5-AF-K2-100
Replacement pump, yellow	M5-PR-1
Replacement pump, black	M5-PRB-1
Replacement pump nozzle (for use with new Generation 2 pump modules)	M5-PN-1
Replacement diffusion cover, yellow	M5-DC-1
Replacement diffusion cover, black	M5-DCB-1
Replacement ammonia (NH_3) sensor*	SR-A04
Manual aspirator pump kit with probe (1 ft. / 0.3 m)	GA-AS02
Test cap and hose (1.5 ft. / 0.5 m) replacement	M5-TC-1

Note: For complete list of Sampling & Testing Equipment, see the Sampling Equipment section.

Replacement Test Cap and Hose
M5-TC-1

Auxiliary Pump Filter with Hose Connector
M5-QCONN-K1

Auxiliary Pump Filter
M5-AF-K3 / M5-AF-K3-100
Kit of 5 or 100, for Generation 2 pump modules

Pump Module
M5-PUMP

Auxiliary Pump Filter
M5-AF-K2 / M5-AF-K2-100
Kit of 5 or 100, for legacy Generation 1 pump modules only

Replacement Diffusion Cover
M5-DC-1

Manual Aspirator Pump
GA-AS02
For remote sampling; complete with probe, hose and aspirator pump

GasAlertMicro 5 Series (continued)

Power Accessories	Order Number
Alkaline battery pack, yellow*	M5-BAT0501
Alkaline battery pack, black*	M5-BAT0501B
Alkaline battery pack, European-style safety screws, yellow*	M5-BAT0502
Rechargeable battery pack, yellow*	M5-BAT08
Rechargeable battery pack, black*	M5-BAT08B
Cradle charger and rechargeable battery pack, yellow*	M5-C01-BAT08
Cradle charger and rechargeable battery pack, black*	M5-C01-BAT08B
Cradle charger for rechargeable battery packs	M5-C01
12 VDC vehicle adaptor cable for use with cradle charger (M5-C01)	GA-V-CHRG4
Replacement power supply for chargers	POWER-UPS-01

**Note: Battery packs and chargers should be used with the new version GasAlertMicro 5 Series gas detectors (red circuit boards).*

Datalogging Accessories	Order Number
Multimedia card	M5-MMC
USB memory card reader	CR-MMC-USB1

MicroDock II	Order Number
MicroDock II Automated Calibration and Testing Station:	
- Base station and GasAlertMicro 5 Series docking module (charging) with charging cable	DOCK2-2-1C1K-00-G
- Base station and GasAlertMicro 5 Series docking module (non-charging)	DOCK2-2-1J-00-G
- GasAlertMicro 5 Series docking module (charging), no charging cable	DOCK2-0-1K-00-G
- GasAlertMicro 5 Series docking module (non-charging)	DOCK2-0-1J-00-G
For complete MicroDock II system configuration information, see MicroDock II section.	

Alkaline Battery Pack
M5-BAT0501/M5-BAT0501B
M5-BAT0502/M5-BAT0502B

Rechargeable Battery Pack
M5-BAT08/M5-BAT08B

Vehicle Adaptor
12 VDC
GA-V-CHRG4
Vehicle adaptor cable for use with cradle charger (M5-C01)

Cradle Charger Kit with Battery
M5-C01-BAT08 / M5-C01-BAT08B
Complete with charger and rechargeable battery pack

Cradle Charger
M5-C01
Cradle charger for rechargeable battery packs (can charge battery pack with or without detector attached)

Replacement Sensor Screens	Order Number
Quad sensor screen filters (kit of 2)	M5-SS

Replacement Sensors	Order Number
Replacement carbon dioxide (CO_2) IR sensor	SR-B04
Replacement carbon monoxide (CO) sensor	SR-M04-SC
Replacement carbon monoxide (CO-H) sensor, H_2 resistant	PS-RM04H
Replacement chlorine (Cl_2) sensor*	PS-RC10
Replacement chlorine dioxide (ClO_2) sensor*	SR-V04
Replacement combustible (% LEL) sensor with heavy duty silicone filter†	SR-W04
Replacement combustible (% LEL) sensor without heavy duty silicone filter†	SR-W04-UF
Replacement Duo-Tox sensor - carbon monoxide (CO) and hydrogen sulfide (H_2S)	D4-RHM04
Replacement hydrogen cyanide (HCN) sensor	PS-RZ10
Replacement hydrogen sulfide (H_2S) sensor	PS-RH04S
Replacement nitrogen dioxide (NO_2) sensor	PS-RD04
Replacement oxygen (O_2) sensor	SR-X10-C1
Replacement ozone (O_3) sensor*	SR-G04
Replacement phosphine (PH_3) sensor	SR-P04
Replacement sulfur dioxide (SO_2) sensor	PS-RS04
Replacement volatile organic compounds (VOC) PID sensor, 10.6 eV*	SR-Q07
Replacement PID lamp, (10.6 eV) for PID sensor (SR-Q07)*	RL-PID10.6
Replacement electrode stacks for PID sensor (SR-Q07) (kit of 2)	M5PID-ES-1
Cleaning kit for PID sensor	M5PID-CLN-K1
Dummy sensor for 3-pin O_2 or 3-pin Duo-Tox locations	SR-DUMM1
Dummy sensor for combustible (LEL) location	SR-DUMM2
Dummy sensor for PID location	SR-DUMM3

Note: All sensors come with a 2 year warranty unless marked with an asterisk (*), denoting 1 year warranty.

†Advisory: Detectors are equipped on a standard basis with SR-W04 combustible sensors. This sensor includes a heavy duty silicone filter that make it ideal for use in environments that have known sources of silicone or vapors containing silicon. The SR-W04 silicone filter equipped sensor should not be used when monitoring diesel, kerosene, jet fuel or other heavy hydrocarbon vapors with flashpoint temperatures above 38°C (100°F).

Calibration & Testing Equipment
For calibration and testing equipment for this product, please see pages 86-89.

PID Cleaning Kit
M5PID-CLN-K1
For PID sensors

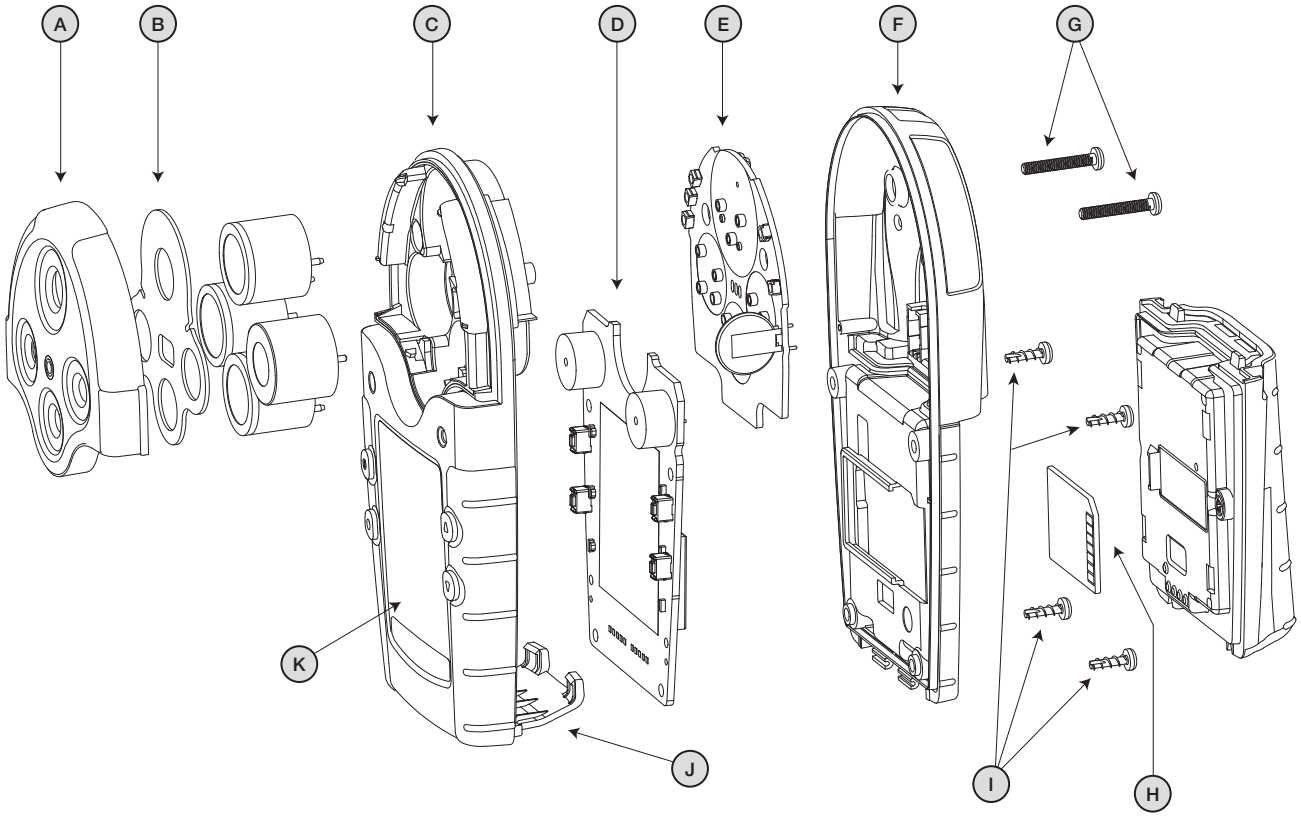
Replacement 10.6 eV PID Lamp
RL-PID10.6
For PID sensors

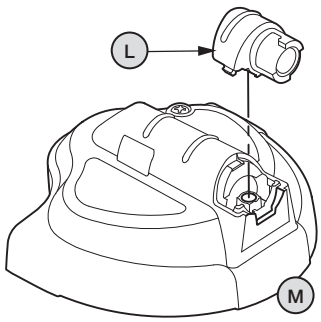
Replacement Electrode Stack
M5PID-ES-1
For PID sensors

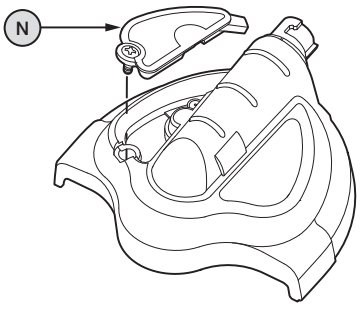
Replacement PID Sensor
SR-Q07

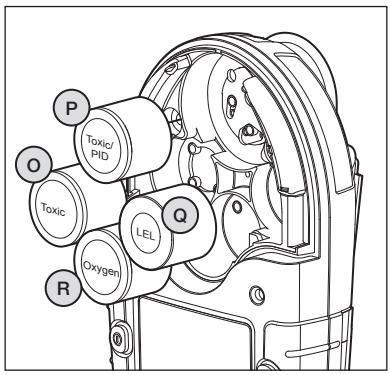
Replacement IR Sensor
SR-B04

GasAlertMicro 5 Series (continued)









Note: Please refer to the instrument's documentation (shipped with the product or available at www.gasmonitors.com) for complete instructions on common service procedures. Improper servicing or maintenance may affect warranty eligibility. Honeywell assumes no liability for damages resulting from improper servicing or maintenance.

Legend	Service Parts	Order Number
C	Replacement front enclosure (yellow) for GasAlertMicro 5 Series	M5-FC1
	Replacement front enclosure (black) for GasAlertMicro 5 Series	M5-FC1B
F	Replacement back enclosure (yellow) with screws for GasAlertMicro 5 Series	M5-BC1
	Replacement back enclosure (black) with screws for GasAlertMicro 5 Series	M5-BC1B
A	Replacement diffusion cover (yellow) for GasAlertMicro 5 Series	M5-DC-1
	Replacement diffusion cover (black) for GasAlertMicro 5 Series	M5-DCB-1
	Replacement alligator-style clip with screw (stainless steel)	GA-AG-2
	Replacement battery latch	M5-BL-1
D	Replacement main PCB for GasAlertMicro 5 Series	M5-DL2-MPCB3
E	Replacement sensor PCB for GasAlertMicro 5	M5-SPCB3
	Replacement sensor PCB for GasAlertMicro 5 PID	M5PID-SPCB3
	Replacement sensor PCB for GasAlertMicro 5 IR	M5IR-SPCB1
L	Replacement nozzle for generation 2 GasAlertMicro 5 Series pump module (with filter window)	M5-PN-1
	Hose assembly with syringe filter	M5-QCONN-K1
J	Replacement battery latch for GasAlertMicro 5 Series	M5-BL-1
H	Replacement multimedia card for GasAlertMicro 5 Series	M5-MMC
I	Replacement screw kit for GasAlertMicro 5 Series	M5-SCREW-K1
	Replacement screwdriver and alkaline battery pack screws for GasAlertMicro 5 Series	M5-ALLEN

How to Replace a Sensor

1. With detector OFF, use No. 1 Phillips screwdriver to remove 2 screws (G) from back enclosure (F) on either side of the belt clip
2. Lift diffusion cover (A) or pump module straight up
3. Remove sensor (O-R) by pulling straight up from PCB (E)
4. Insert new sensor (O-R) into PCB (E)
5. Replace diffusion cover (A) or pump module
6. Replace 2 screws (G) in back enclosure (F) and hand-tighten until firm

How to Replace the Sensor Screen

1. With detector OFF, use No. 1 Phillips screwdriver to remove 2 screws (G) from back enclosure (F) on either side of the belt clip
2. Lift diffusion cover (A) or pump module straight up
3. Remove sensor screen (B) by pulling it straight up from diffusion cover (A) or pump module
4. Insert sensor screen (B) into diffusion cover (A) or pump module
5. Replace diffusion cover (A) or pump module
6. Replace 2 screws (G) in back enclosure (F) and hand-tighten until firm

Note: Please refer to the instrument's documentation (shipped with the product or available at www.gasmonitors.com) for complete instructions on common service procedures. Improper servicing or maintenance may affect warranty eligibility. Honeywell assumes no liability for damages resulting from improper servicing or maintenance.

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