# GasAlertMicro 5 Series





#### Standard Package Contents

- Detector complete with specified sensor(s), stainless steel alligator clip and concussion-proof housing
- Specified battery option
- Charging adaptor (with rechargeable battery option)
- Screwdriver
- Calibration/test adaptor and hose
- Manual
- Multi-language manual CD

#### **Protect yourself**

Compact and lightweight, GasAlertMicro 5 Series instruments are available in diffusion or pumped instruments. Each of 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<sub>2</sub> 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, the GasAlertMicro 5 is unparalleled in its versatility, performance and overall value.







General	Spe	cific	atio	ns

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)		
Certifications and approvals	Class I, Div. 1, Gr. A, B, C, D  American Bureau of Shipping - Toxic & PID only  ATEX:  C		
Warranty	Full 2 year warranty including sensors (1 year Cl <sub>2</sub> , NH <sub>3</sub> , O <sub>3</sub> , ETO, ClO <sub>2</sub> & PID sensor)		



**VOCs** 

 $CO_2$ 

LEL

H<sub>2</sub>S

CO

O<sub>2</sub>

SO<sub>2</sub>

PH<sub>3</sub>

NH<sub>3</sub>

NO<sub>2</sub>

**HCN** 

Cl2

CIO<sub>2</sub>

 $O_3$ 

24

#### GasAlertMicro 5 Detector **Order Number** %LEL, O<sub>2</sub>, H<sub>2</sub>S, CO, SO<sub>2</sub> - alkaline batteries M5-XWSY-A-D-0-Y-N-00 %LEL, O<sub>2</sub>, H<sub>2</sub>S, CO, SO<sub>2</sub> - lithium polymer battery M5-XWSY-R-D-0-Y-N-00 %LEL, O<sub>2</sub>, H<sub>2</sub>S, CO, SO<sub>2</sub> - lithium polymer battery and pump M5-XWSY-R-P-0-Y-N-00 %LEL, O2, H2S, CO, SO2 - lithium polymer battery and datalogging M5-XWSY-R-D-D-Y-N-00 %LEL, O2, H2S, CO, SO2 - lithium polymer battery, pump and datalogging M5-XWSY-R-P-D-Y-N-00 %LEL, O<sub>2</sub>, H<sub>2</sub>S, CO, NH<sub>3</sub> - alkaline batteries M5-XWAY-A-D-0-Y-N-00 M5-XWAY-R-D-0-Y-N-00 %LEL, O<sub>2</sub>, H<sub>2</sub>S, CO, NH<sub>3</sub> - lithium polymer battery %LEL, O2, H2S, CO, NH3 - lithium polymer battery and pump M5-XWAY-R-P-0-Y-N-00 %LEL, $O_2$ , $H_2S$ , CO, $NH_3$ - lithium polymer battery and datalogging M5-XWAY-R-D-D-Y-N-00 %LEL, O2, H2S, CO, NH3 - lithium polymer battery, pump and datalogging M5-XWAY-R-P-D-Y-N-00 %LEL, O<sub>2</sub>, H<sub>2</sub>S, CO, Cl<sub>2</sub> - alkaline batteries M5-XWCY-A-D-0-Y-N-00 %LEL, O<sub>2</sub>, H<sub>2</sub>S, CO, Cl<sub>2</sub> - lithium polymer battery M5-XWCY-R-D-0-Y-N-00 %LEL, $O_2$ , $H_2S$ , CO, $CI_2$ - lithium polymer battery and pump M5-XWCY-R-P-0-Y-N-00 %LEL, O2, H2S, CO, Cl2 - lithium polymer battery and datalogging M5-XWCY-R-D-D-Y-N-00 %LEL, O2, H2S, CO, Cl2 - lithium polymer battery, pump and datalogging M5-XWCY-R-P-D-Y-N-00 %LEL, O<sub>2</sub>, H<sub>2</sub>S, CO - alkaline batteries M5-XW0Y-A-D-0-Y-N-00 M5-XW0Y-A-P-0-Y-N-00 %LEL, O<sub>2</sub>, H<sub>2</sub>S, CO - alkaline batteries and pump %LEL, O<sub>2</sub>, H<sub>2</sub>S, CO - alkaline batteries, pump and datalogging M5-XW0Y-A-P-D-Y-N-00 %LEL, O<sub>2</sub>, H<sub>2</sub>S, CO - lithium polymer battery M5-XW0Y-R-D-0-Y-N-00 %LEL, O<sub>2</sub>, H<sub>2</sub>S, CO - lithium polymer battery and pump M5-XW0Y-R-P-0-Y-N-00 %LEL, O<sub>2</sub>, H<sub>2</sub>S, CO - lithium polymer battery and datalogging M5-XW0Y-R-D-D-Y-N-00 %LEL, O2, H2S, CO - lithium polymer battery, pump and datalogging M5-XW0Y-R-P-D-Y-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 pricing and order number configurator.

#### Gas Legend

%LEL	Combustible	CIO <sub>2</sub>	Chlorine dioxide
O <sub>2</sub>	Oxygen	NH <sub>3</sub>	Ammonia
H <sub>2</sub> S	Hydrogen sulfide	PH <sub>3</sub>	Phosphine
CO	Carbon monoxide	HCN	Hydrogen cyanide
SO <sub>2</sub>	Sulfur dioxide	NO <sub>2</sub>	Nitrogen dioxide
Cl <sub>2</sub>	Chlorine	O <sub>3</sub>	Ozone

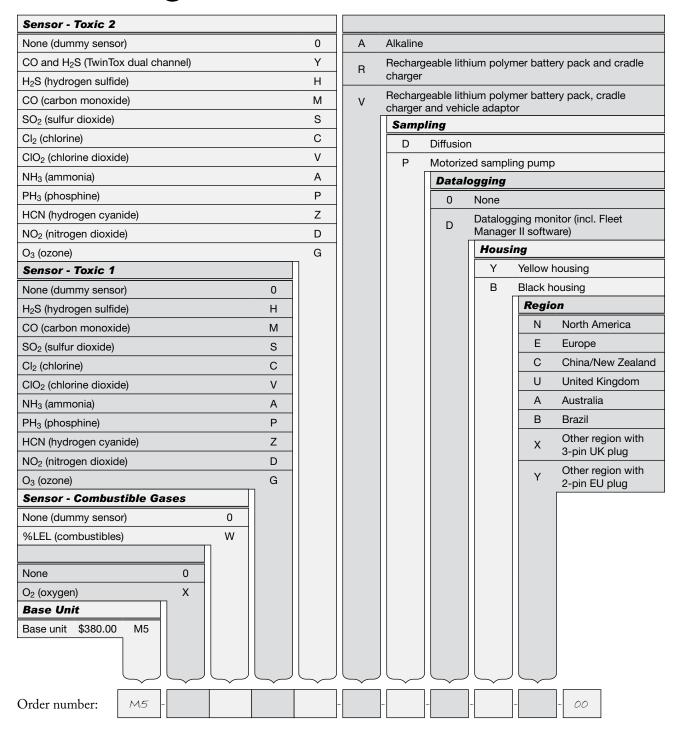
GasAlertMicro 5
Diffusion version with datalogging



203 00

GasAlertMicro 5
Pump version

## GasAlertMicro 5 Order Number and Pricing Configurator



For example, the order number for a GasAlertMicro 5 configured for O<sub>2</sub>, %LEL, Cl<sub>2</sub>, H<sub>2</sub>S and CO and equipped with a rechargeable lithium polymer battery pack and cradle charger, motorized sampling pump, datalogging, yellow housing and North American power connectivity would be M5-XWCY-R-P-D-Y-N-00.

#### GasAlertMicro 5 PID Detector **Order Number** VOCs, %LEL, O2, H2S, CO - alkaline batteries M5PID-XWQY-A-D-0-Y-N-00 M5PID-XWQY-A-P-0-Y-N-00 VOCs, %LEL, O2, H2S, CO - alkaline batteries and pump VOCs, %LEL, O2, H2S, CO - alkaline batteries, pump and datalogging M5PID-XWQY-A-P-D-Y-N-00 M5PID-XWQY-R-D-0-Y-N-00 VOCs, %LEL, O<sub>2</sub>, H<sub>2</sub>S, CO - lithium polymer battery M5PID-XWQY-R-P-0-Y-N-00 VOCs, %LEL, O2, H2S, CO - lithium polymer battery and pump VOCs, %LEL, O2, H2S, CO - lithium polymer battery, pump and datalogging M5PID-XWQY-R-P-D-Y-N-00 VOCs, %LEL, O<sub>2</sub> - alkaline batteries M5PID-XWQ0-A-D-0-Y-N-00 VOCs, %LEL, O<sub>2</sub> - alkaline batteries and pump M5PID-XWQ0-A-P-0-Y-N-00 M5PID-XWQ0-A-P-D-Y-N-00 VOCs, %LEL, O<sub>2</sub> - alkaline batteries, pump and datalogging VOCs, %LEL, O<sub>2</sub> - lithium polymer battery M5PID-XWQ0-R-D-0-Y-N-00 M5PID-XWQ0-R-P-0-Y-N-00 VOCs, %LEL, O<sub>2</sub> - lithium polymer battery and pump VOCs, %LEL, O<sub>2</sub> - lithium polymer battery, pump and datalogging M5PID-XWQ0-R-P-D-Y-N-00 VOCs - alkaline batteries M5PID-00Q0-A-D-0-Y-N-00 VOCs - alkaline batteries and pump M5PID-00Q0-A-P-0-Y-N-00 VOCs - alkaline batteries, pump and datalogging M5PID-00Q0-A-P-D-Y-N-00 VOCs - lithium polymer battery M5PID-00Q0-R-D-0-Y-N-00 VOCs - lithium polymer battery and pump M5PID-00Q0-R-P-0-Y-N-00 M5PID-00Q0-R-P-D-Y-N-00 VOCs - lithium polymer battery, pump and datalogging

#### GasAlertMicro 5 PID Region Codes

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Ī	For orders outside North America, change order number component "-N" to:			
	"-E"	Europe	"-B"	Brazil
	"-∪"	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 pricing and order number configurator.

#### **Gas Legend**

VOCs	Volatile organic compounds	CIO <sub>2</sub>	Chlorine dioxide
%LEL	Combustible	$NH_3$	Ammonia
$O_2$	Oxygen	PH <sub>3</sub>	Phosphine
$H_2S$	Hydrogen sulfide	HCN	Hydrogen cyanide
CO	Carbon monoxide	NO <sub>2</sub>	Nitrogen dioxide
SO <sub>2</sub>	Sulfur dioxide	O <sub>3</sub>	Ozone
$Cl_2$	Chlorine		



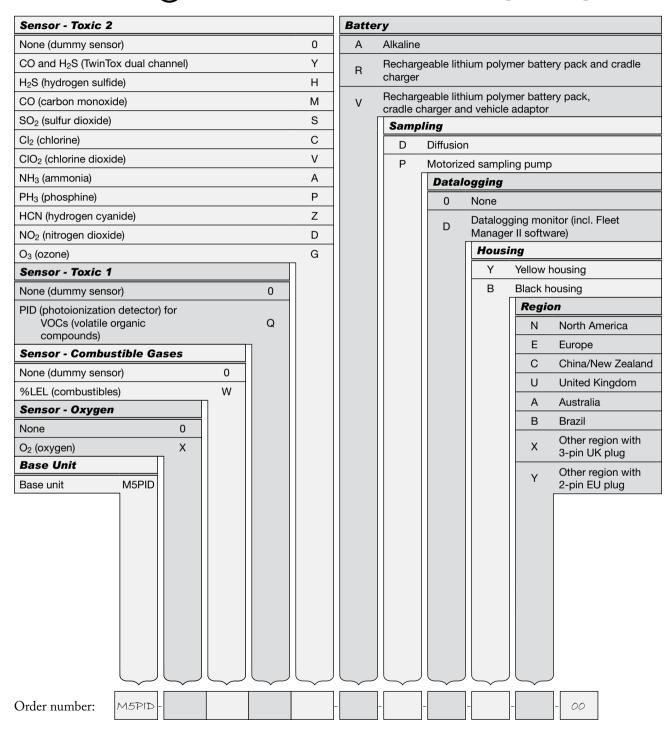
GasAlertMicro 5 PID

Diffusion version with datalogging



GasAlertMicro 5 PID
Pump version with datalogging
5062-21-NCL-EN

## GasAlertMicro 5)PID Order Number and Pricing Configurator



For example, the order number for a GasAlertMicro 5 PID configured for O<sub>2</sub>, %LEL, VOCs, H<sub>2</sub>S and CO and equipped with a rechargeable lithium polymer battery pack and cradle charger, motorized sampling pump, datalogging, yellow housing and North American power connectivity would be M5PID-XWQY-R-P-D-Y-N-00.

#### GasAlertMicro 5 IR Detector **Order Number** M5IR-XWBY-A-D-0-Y-N-00 CO<sub>2</sub> (IR), %LEL, O<sub>2</sub>, H<sub>2</sub>S, CO - alkaline batteries CO<sub>2</sub> (IR), %LEL, O<sub>2</sub>, H<sub>2</sub>S, CO - lithium polymer battery M5IR-XWBY-R-D-0-Y-N-00 CO<sub>2</sub> (IR), %LEL, O<sub>2</sub>, H<sub>2</sub>S, CO - lithium polymer battery and pump M5IR-XWBY-R-P-0-Y-N-00 CO<sub>2</sub> (IR), %LEL, O<sub>2</sub>, H<sub>2</sub>S, CO - lithium polymer battery and datalogging M5IR-XWBY-R-D-D-Y-N-00 M5IR-XWBY-R-P-D-Y-N-00 CO<sub>2</sub> (IR), %LEL, O<sub>2</sub>, H<sub>2</sub>S, CO - lithium polymer battery, pump and datalogging M5IR-XWBH-A-D-0-Y-N-00 CO<sub>2</sub> (IR), %LEL, O<sub>2</sub>, H<sub>2</sub>S - alkaline batteries CO<sub>2</sub> (IR), %LEL, O<sub>2</sub>, H<sub>2</sub>S - lithium polymer battery M5IR-XWBH-R-D-0-Y-N-00 CO<sub>2</sub> (IR), %LEL, O<sub>2</sub>, H<sub>2</sub>S - lithium polymer battery and pump M5IR-XWBH-R-P-0-Y-N-00 CO<sub>2</sub> (IR), %LEL, O<sub>2</sub>, H<sub>2</sub>S - lithium polymer battery and datalogging M5IR-XWBH-R-D-D-Y-N-00 CO<sub>2</sub> (IR), %LEL, O<sub>2</sub>, H<sub>2</sub>S - lithium polymer battery, pump and datalogging M5IR-XWBH-R-P-D-Y-N-00 CO<sub>2</sub> (IR), %LEL, O<sub>2</sub> - alkaline batteries M5IR-XWB0-A-D-0-Y-N-00 CO<sub>2</sub> (IR), %LEL, O<sub>2</sub> - lithium polymer battery M5IR-XWB0-R-D-0-Y-N-00 M5IR-XWB0-R-P-0-Y-N-00 CO<sub>2</sub> (IR), %LEL, O<sub>2</sub> - lithium polymer battery and pump CO<sub>2</sub> (IR), %LEL, O<sub>2</sub> - lithium polymer battery and datalogging M5IR-XWB0-R-D-D-Y-N-00 CO<sub>2</sub> (IR), %LEL, O<sub>2</sub> - lithium polymer battery, pump and datalogging M5IR-XWB0-R-P-D-Y-N-00 CO<sub>2</sub> (IR) - alkaline batteries M5IR-00B0-A-D-0-Y-N-00 CO<sub>2</sub> (IR) - lithium polymer battery M5IR-00B0-R-D-0-Y-N-00 CO<sub>2</sub> (IR) - lithium polymer battery and pump M5IR-00B0-R-P-0-Y-N-00 M5IR-00B0-R-D-D-Y-N-00 CO<sub>2</sub> (IR) - lithium polymer battery and datalogging CO<sub>2</sub> (IR) - lithium polymer battery, pump and datalogging M5IR-00B0-R-P-D-Y-N-00

#### GasAlertMicro 5 IR Region Codes

For orders outside North America, change order number component "-N" to:			
"-E"	Europe	"-B"	Brazil
"-∪"	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 pricing and order number configurator.

#### **Gas Legend**

CO <sub>2</sub>	Carbon dioxide	CO	Carbon monoxide
%LEL	Combustible	SO <sub>2</sub>	Sulfur dioxide
O <sub>2</sub>	Oxygen	NH <sub>3</sub>	Ammonia
H <sub>2</sub> S	Hydrogen sulfide	O <sub>3</sub>	Ozone

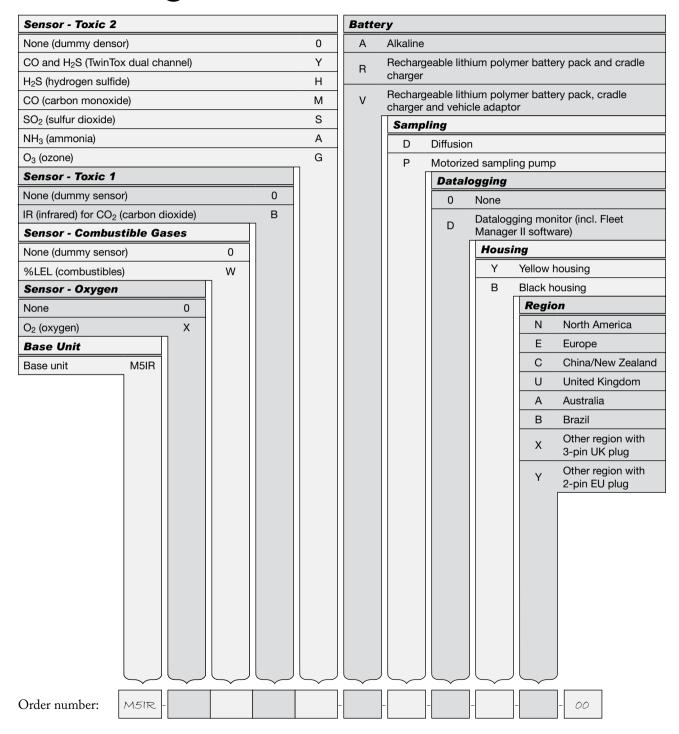


**GasAlertMicro 5 IR**Diffusion version with datalogging



GasAlertMicro 5 IR
Pump version with datalogging
5062-21-NCL-EN

## GasAlertMicro 5 IR Order Number and Pricing Configurator



For example, the order number for a GasAlertMicro 5 IR configured for O<sub>2</sub>, %LEL, CO<sub>2</sub>, H<sub>2</sub>S and CO and equipped with a rechargeable lithium polymer battery pack and cradle charger, motorized sampling pump, datalogging, yellow housing and North American power connectivity would be M5IR-XWBY-R-P-D-Y-N-00.

# GasAlertMicro 5 Series

Confined Space Kit	Order Number
GasAlertMicro 5 Series deluxe confined space kit  Detector and calibration gas sold separately	M5-CK-DL
Carrying case for <b>GasAlertMicro 5 Series</b> with foam and lid insert	M5-CK-CC

Carrying Accessories	Order Number
Concussion-proof boot, diffusion units	GA-BM5-1
Concussion-proof boot, pump units	GA-BM5-2
Carrying holster	GA-HM5
Alligator-style clip (stainless steel)	GA-AG-2
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
Armband	GA-ARM-1
Chest harness	GA-CH-2

Datalogging Accessories and Options	Order Number	
MultiMedia card	M5-MMC	
USB memory card reader	CR-MMC-USB1	

M5-CK-DL

gas separately



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** 

Order detector and calibration

**Carrying Holster**GA-HM5
Fits securely on belt

#### **Power Accessories, Options and Spares**

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Alkaline battery pack, yellow*	M5-BAT0501
Alkaline battery pack, black*	M5-BAT0501B
Alkaline battery pack, European-style safety screws, yellow*	M5-BAT0502
Alkaline battery pack, European-style safety screws, black*	M5-BAT0502B
Lithium polymer rechargeable battery pack, yellow*	M5-BAT08
Lithium polymer 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
Battery latch, replacement	M5-BL-1
12 Vpc vehicle adaptor cable for use with cradle charger (M5-C01)	GA-V-CHRG4

<sup>\*</sup>Battery packs should be used with the new versions GasAlertMicro 5 Series gas detectors that have red circuit boards. See the Sensor Accessories, Spares and Replacements section for order information on batteries for the old version GasAlertMicro 5 Series gas detectors (green circuit boards).



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



**Rechargeable Battery Pack** M5-BAT08/M5-BAT08B



**Replacement Battery Latch** M5-BL-1



Vehicle Adaptor 12 Voc 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

# GasAlertMicro 5 Series

Sampling/Testing Equipment and Spares	Order Number
Test cap and hose (1.5 ft./0.5 m) replacement	M5-TC-1
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 tubing, three spare particulate filters and one spare water trap filter.	M5-PUMP M5-PUMPB
Auxiliary pump filter compatible with hose	M5-QCONN-K1
Auxiliary pump filter - Kit of 5 - Kit of 100	M5-AF-K2 M5-AF-K2-100
MicroDock II automatic test and calibration system:  - Base station and GasAlertMicro 5 Series docking module (charging) with charging cable  - Base station and GasAlertMicro 5 Series docking module (non-charging)  - GasAlertMicro 5 Series docking module (charging), no charging cable  - GasAlertMicro 5 Series docking module (non-charging)  For complete MicroDock II system configuration information, see MicroDock II section.	DOCK2-2-1C1K-00-N* DOCK2-2-1J-00-N* DOCK2-0-1K-00-N DOCK2-0-1J-00-N
Manual aspirator pump kit with probe (1 ft./0.3 m)	GA-AS02

For a complete list of sampling probes, hoses, accessories and spares, see Sampling Accessories section.

<sup>\*</sup>Change order number suffix "-N" to: "-E" for European versions, "-U" for United Kingdom versions, "-A" for Australian versions.



Replacement Test Cap and Hose M5-TC-1



M5 Pump M5-PUMP



Replacement Diffusion Cover M5-DC-1



Auxilliary Pump Filter with Hose Connector M5-QCONN-K1



Auxilliary Pump Filter M5-AF-K2/M5-AF-K2-100 Easily attaches with a quick connect fitting to provide additional pump protection



**Manual Aspirator Pump** GA-AS02 For remote sampling. Complete with probe, hose and aspirator pump

Sensor Spares and Replacements	Order Number
Quad sensor screen filters, kit of 2	M5-SS
Alkaline battery pack (for use with GasAlertMicro 5 Series detectors with green circuit boards)	M5-BAT02
Alkaline battery pack (for use with GasAlertMicro 5 Series detectors with green circuit boards), European-style safety screws	M5-BAT03
Rechargeable lithium polymer battery pack (for use with GasAlertMicro 5 Series detectors with green circuit boards), yellow or black	M5-BAT07 M5-BAT07B
Replacement power supply for chargers	POWER-UPS-1
Replacement pump, yellow	M5-PR-1
Replacement pump, black	M5-PRB-1
Replacement diffusion cover, yellow	M5-DC-1
Replacement diffusion cover, black	M5-DCB-1
Replacement carbon dioxide (CO <sub>2</sub> ) IR sensor	SR-B04
Replacement volatile organic compounds (VOC) PID sensor, 10.6eV	SR-Q07
Replacement electrode stacks for PID sensor (SR-Q07), kit of 2	M5PID-ES-1
Replacement PID lamp, (10.6eV) for PID sensor (SR-Q07)	RL-PID10.6
Cleaning kit for PID sensor	M5PID-CLN-K
Replacement TwinTox sensor - carbon monoxide (CO) and hydrogen sulfide (H <sub>2</sub> S)	D4-RHM04
Replacement hydrogen sulfide (H <sub>2</sub> S) sensor	PS-RH04S
Replacement carbon monoxide (CO) sensor	PS-RM04
Replacement carbon monoxide (CO) sensor, H <sub>2</sub> resistant	PS-RM04H
Replacement sulfur dioxide (SO <sub>2</sub> ) sensor	PS-RS04
Replacement chlorine (Cl <sub>2</sub> ) sensor	PS-RC10
Replacement hydrogen cyanide (HCN) sensor	PS-RZ10
Replacement nitrogen dioxide (NO <sub>2</sub> ) sensor	PS-RD04
Replacement ammonia (NH <sub>3</sub> ) sensor	SR-A04
Replacement phosphine (PH <sub>3</sub> ) sensor	SR-P04
Replacement ozone (O <sub>3</sub> ) sensor	SR-G04
Replacement chlorine dioxide (ClO <sub>2</sub> ) sensor	SR-V04
Replacement combustible sensor with heavy duty silicone filter*	SR-W04
Replacement combustible sensor without heavy duty silicone filter*	SR-W04-UF
*Advisory: Detectors are equipped on a standard basis with SR-W04 combustible sensors. This sensor includes a heavy duty silicone filter of for use in environments that have known sources of silicone or vapors containing silicon. The SR-W04 silicone filter equipped sensor shout monitoring diesel, kerosene, jet fuel or other heavy hydrocarbon vapors with flashpoint temperatures above 38°C (100°F).	
Replacement oxygen (O <sub>2</sub> ) sensor	SR-X10
Dummy sensor for 3-pin O <sub>2</sub> or 3-pin TwinTox locations	SR-DUMM1
Dummy sensor for LEL location	SR-DUMM2
Dummy sensor for PID location	SR-DUMM3

**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



WWW.NOTTSCOPE.COM
Replacement PID Sensor
SR-Q07

