



Table of Contents



Note

Please note that specifications and exact product offering are subject to change without notice. This publication is not intended to form the basis of a contract.

Reference

Product Selector.....	ii
Product Selector (by Gas)	iv

Single-Gas Detectors

GasAlertClip Extreme	1
GasAlert Extreme.....	4
ToxiPro®.....	10

Multi-Gas Detectors

GasAlertMicroClip XT	14
GasAlertQuattro.....	20
IQ Force™	26
MultiPro™.....	32
GasAlertMax XT II.....	36
Impact / Impact Pro.....	42
GasAlertMicro 5 Series.....	49
PhD6™	62
MicroMAX Pro	71

Sampling Equipment

SamplerPak*	76
Sampling Accessories*	78

Docking, Testing and Data Management

MicroDock II*	82
IQ Express™ for ToxiPro®	86
IQ Dock for IQ Force™.....	86
IQ Express™ for MultiPro™	86
IQ6™ for PhD6™	86
IQ Management System	88

Calibration Equipment

Group A	92
<i>(GasAlertClip Extreme, GasAlert Extreme, GasAlertMicroClip XT, GasAlertQuattro, IQ Force™, GasAlertMax XT II, GasAlertMicro 5 Series)</i>	
Group B	96
<i>(MicroMAX Pro, Impact / Impact Pro)</i>	
Group C	97
<i>(ToxiPro®, MultiPro™, PhD6™)</i>	

Appendix

PID Information.....	100
PID Detectable Gases	101
USA Quick Ship Program & Standard Lead Times.....	102
Warranty, Repair, Service and Returns	105

**For BW Technologies by Honeywell portable gas detectors only.*

Product Selector

Product	Features	No. of gases	Gases Detected	Warranty
GasAlertClip Extreme (page 1)	<ul style="list-style-type: none"> Zero-maintenance Low cost of ownership 	1	H ₂ S, CO, O ₂ , SO ₂	2 or 3 years
GasAlert Extreme (page 4)	<ul style="list-style-type: none"> User-settable options Large display Replaceable battery 	1	H ₂ S, CO, O ₂ , SO ₂ , NH ₃ , PH ₃ , Cl ₂ , ClO ₂ , NO, NO ₂ , HCN, ETO, O ₃	2 years*
ToxiPro® (page 10)	<ul style="list-style-type: none"> One-button operation Large display Replaceable battery 	1	H ₂ S, CO, O ₂ , SO ₂ , NH ₃ , PH ₃ , Cl ₂ , NO ₂ , HCN	2 years*
GasAlertMicroClip XT (page 14)	<ul style="list-style-type: none"> Rechargeable battery IntelliFlash One-button operation Small and lightweight 	1 to 4	H ₂ S, CO, O ₂ , LEL	2 years
GasAlertQuattro (page 20)	<ul style="list-style-type: none"> Rechargeable or alkaline battery packs IntelliFlash One-button operation Easy to read LCD with icons 	1 to 4	H ₂ S, CO, O ₂ , LEL	2 years
IQ Force™ (page 26)	<ul style="list-style-type: none"> Optional motorized pump module Rechargeable battery One-button operation 	1 to 4	H ₂ S, CO, O ₂ , LEL	2 years
MultiPro™ (page 32)	<ul style="list-style-type: none"> Optional motorized pump module Rechargeable or alkaline battery packs One-button operation 	1 to 4	H ₂ S, CO, O ₂ , LEL	2 years
GasAlertMax XT II (page 36)	<ul style="list-style-type: none"> Built-in motorized sampling pump Rechargeable battery IntelliFlash One-button operation 	1 to 4	H ₂ S, CO, O ₂ , LEL	2 years
Impact / Impact Pro (page 42)	<ul style="list-style-type: none"> Disposable or serviceable sensor cartridge system Safelink communication Optional built-in pump (Impact Pro only) Rechargeable or alkaline battery packs 	1 to 4	CO ₂ , LEL, H ₂ S, CO, O ₂ , SO ₂ , NH ₃ , NO ₂ , Cl ₂ , CH ₄	2 years*
GasAlertMicro 5 Series (page 49)	<ul style="list-style-type: none"> Optional motorized pump module Rechargeable or alkaline battery packs Feature-rich user options 	1 to 5	VOCs, CO ₂ , LEL, H ₂ S, CO, O ₂ , SO ₂ , PH ₃ , NH ₃ , NO ₂ , HCN, Cl ₂ , ClO ₂ , O ₃	2 years*
PhD6™ (page 62)	<ul style="list-style-type: none"> Detect up to 6 gases Optional motorized pump module Rechargeable or alkaline battery packs Feature-rich user options 	1 to 6	VOCs, CO ₂ , LEL, H ₂ S, CO, O ₂ , SO ₂ , PH ₃ , NH ₃ , NO ₂ , HCN, Cl ₂ , ClO ₂ , CH ₄	2 years*
MicroMAX Pro (page 71)	<ul style="list-style-type: none"> Short response time Voice assist Built-in sampling pump Rechargeable battery pack or alkaline batteries One-button operation 	1 to 5	LEL, H ₂ S, CO, O ₂ , SO ₂ , NH ₃ , NO ₂ , Cl ₂ , ClO ₂ , HCN, PH ₃ , CH ₄	Lifetime*

*Note: Some sensors and/or parts carry a separate warranty. See product page for specific details.

Product (cont'd)	Power	Battery life	Pump	Confined Space Kit	Docking System
GasAlertClip Extreme (page 1)	Continuous	2 or 3 years	N/A	N/A	MicroDock II
GasAlert Extreme (page 4)	3V, replaceable	1.5 years, replaceable	SamplerPak or manual aspirator pump (sold separately)	N/A	MicroDock II
ToxiPro® (page 10)	3V, replaceable	1 year, replaceable	N/A	N/A	ToxiPro® IQ Express™ Docking Station
GasAlertMicroClip XT (page 14)	Rechargeable	Up to 10 hours	SamplerPak or manual aspirator pump (sold separately)	Deluxe or carrying case only	MicroDock II
GasAlertQuattro (page 20)	Rechargeable or alkaline battery packs	Up to 20 hours	SamplerPak or manual aspirator pump (sold separately)	With detector, deluxe or carrying case only	MicroDock II
IQ Force™ (page 26)	Rechargeable	Up to 22 hours	IQ Force pump module or manual sample draw kit (sold separately)	Deluxe or carrying case only	IQ Force™ Dock
MultiPro™ (page 32)	Rechargeable or alkaline battery packs	Up to 22 hours	Continuous sample pump or manual sample draw kit (sold separately)	Two carrying case options	MultiPro™ IQ Express™ Docking Station
GasAlertMax XT II (page 36)	Rechargeable	Up to 13 hours	Built-in motorized pump	With detector, deluxe or carrying case only	MicroDock II
Impact / Impact Pro (page 42)	Rechargeable or alkaline battery packs	Up to 17 hours	Built-in motorized pump (optional, Impact Pro only) or hand aspirator kit (sold separately)	Deluxe or Standard (with detector) or two carrying case options	Enforcer
GasAlertMicro 5 Series (page 49)	Rechargeable or alkaline battery packs	Up to 20 hours	Motorized pump module (optional) or manual aspirator pump (sold separately)	Deluxe or carrying case only	MicroDock II
PhD6™ (page 62)	Rechargeable or alkaline battery packs	Up to 22 hours	Motorized pump module or manual sample draw kit (sold separately)	Two carrying case options	IQ6™ Docking Station
MicroMAX Pro (page 71)	Rechargeable battery pack or alkaline batteries	Up to 13 hours	Built-in motorized sampling pump	Two carrying case options	N/A

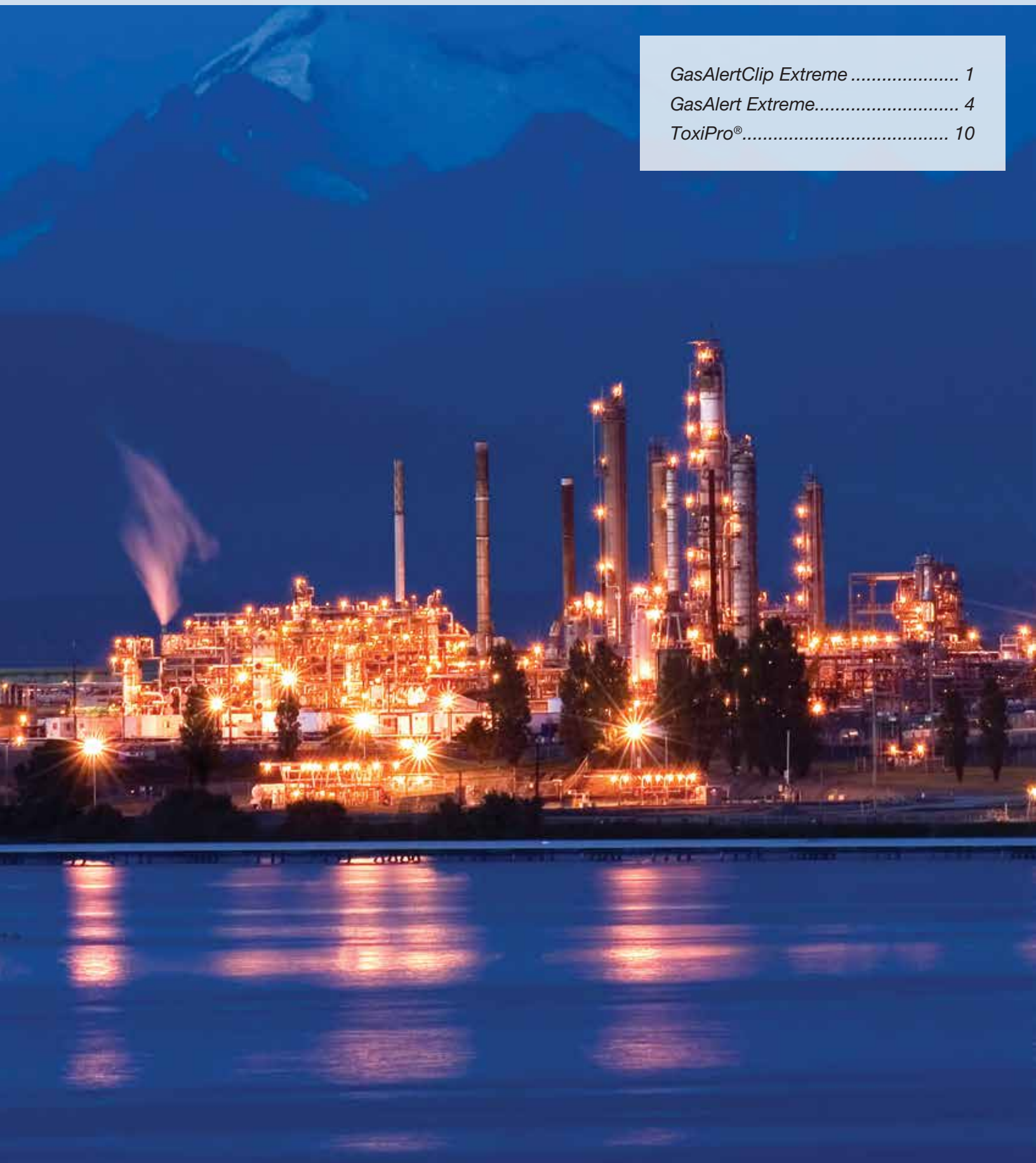
Product Selector (by Gas)

Gases	CAS No.	GasAlertClip Extreme 2 & 3 Year	GasAlert Extreme	ToxiPro®	GasAlertMicroClip XT	GasAlertQuattro	IQ Force™	MultiPro™	GasAlertMax XT II	Impact	Impact Pro	GasAlertMicro 5 Series	PhD6™	MicroMAX Pro
Ammonia (NH ₃)	7664-41-7		EC	EC							EC	EC	EC	EC
Carbon dioxide (CO ₂)	124-38-9										EC/IR	IR	IR	
Carbon monoxide (CO)	630-08-0	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC
Chlorine (Cl ₂)	7782-50-5		EC	EC							EC	EC	EC	EC
Chlorine dioxide (ClO ₂)	10049-04-4		EC									EC	EC	
Ethylene oxide (C ₂ H ₄ O)	75-21-8		EC											
Combustible - %Vol											IR			CAT
Combustible - LEL					CAT	CAT	CAT	CAT	CAT	CAT	CAT/IR	CAT	CAT/IR	CAT
Heavy hydrocarbon - LEL														CAT
Hydrogen cyanide (HCN)	74-90-8		EC	EC								EC	EC	EC
Hydrogen sulfide (H ₂ S)	6/4/7783	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC
Nitric oxide (NO)	10102-43-9		EC									EC	EC	
Nitrogen dioxide (NO ₂)	10102-44-0		EC	EC							EC	EC	EC	EC
Oxygen (O ₂)	7782-44-7	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC
Ozone (O ₃)	10028-15-6		EC									EC		
Phosphine (PH ₃)	7803-51-2		EC	EC								EC	EC	EC
Sulfur dioxide (SO ₂)	9/5/7446	EC	EC	EC							EC	EC	EC	EC
Volatile organic compounds (VOCs)												PID	PID	

EC = Electrochemical Cell / CAT = Catalytic Bead Sensor / IR = Infrared Sensor / PID = Photoionization Detector

Single-Gas Detectors

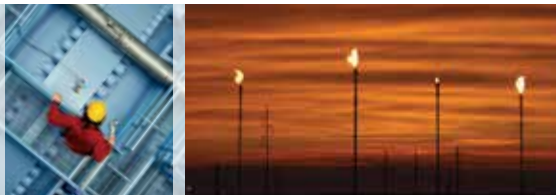
<i>GasAlertClip Extreme</i>	<i>1</i>
<i>GasAlert Extreme.....</i>	<i>4</i>
<i>ToxiPro®.....</i>	<i>10</i>



Single-Gas Detectors

<i>GasAlertClip Extreme</i>	<i>1</i>
<i>GasAlert Extreme.....</i>	<i>4</i>
<i>ToxiPro®.....</i>	<i>10</i>





GasAlertClip EXTREME

Single-Gas Detector

H_2S , CO, O_2 , SO_2




Up to three years of continuous maintenance-free protection

Simply press the start/test button and the GasAlertClip Extreme is ready to use, providing continuous, reliable protection. Available in two year (H_2S , CO, O_2 , SO_2) or three year (H_2S , CO) versions, this single gas detector requires no calibration, sensor replacement, battery replacement or battery charging. Compatible with the MicroDock II automatic test system, the simplicity of the GasAlertClip Extreme combined with minimal training requirements and negligible maintenance costs make the GasAlertClip Extreme one of the most cost-effective gas detection solutions for facility workers and onsite contractors.

Standard Package Contents

- Detector complete with specified sensor, stainless steel alligator clip and concussion-proof housing
- Test cap
- Instructions

General Specifications

Size	1.1 x 2.0 x 3.2 in. / 2.8 x 5.0 x 8.1 cm
Weight	2.7 oz. / 76 g
Typical battery life	Two years (H_2S , CO, SO_2 or O_2) or three years (H_2S or CO)
Certifications and approvals	<div> <div>  CLASS I, Div. 1, Gr. A, B, C, D American Bureau of Shipping ATEX: CE II 1 G T4 Ex ia IIC T4 IECEX: Ex ia IIC T4 CE: European Conformity </div> </div>
Warranty	Two or three years from activation (given normal operation), plus one year shelf life

5472-14

GasAlertClip Extreme (continued)

GasAlertClip Extreme 2-Year Detectors	Alarm Setpoint	Order Number*
Hydrogen sulfide (H ₂ S)	Low - 10 ppm / High - 15 ppm	GA24XT-H
Hydrogen sulfide (H ₂ S) - bulk pack	Low - 10 ppm / High - 15 ppm	GA24XT-H-B50
Hydrogen sulfide (H ₂ S)	Low - 5 / High 10 (non-adjustable)	GA24XT-H5.09.9
Hydrogen sulfide (H ₂ S)	Toggle between 5/10 and 10/15	GA24XT-H510
Carbon monoxide (CO)	Low - 35 ppm / High - 200 ppm	GA24XT-M
Carbon monoxide (CO)	Low - 30 ppm / High - 200 ppm	GA24XT-M30200
Carbon monoxide (CO)	Low - 50 ppm / High - 200 ppm	GA24XT-M50200
Sulfur dioxide (SO ₂)	Low - 5 ppm / High - 10 ppm	GA24XT-S
Oxygen (O ₂)	Low - 19.5% / High - 23.5%	GA24XT-X
Oxygen (O ₂)	Low - 19.5% / High - 22.5%	GA24XT-X19.522.5
To order a 50-unit bulk package (one model type per pack only)		Add Suffix "-B50"

GasAlertClip Extreme 3-Year Detectors	Alarm Setpoint	Order Number*
Hydrogen sulfide (H ₂ S)	Low - 10 ppm / High - 15 ppm	GA36XT-H
Hydrogen sulfide (H ₂ S)	Low - 5 ppm / High - 10 ppm	GA36XT-H510
Carbon monoxide (CO)	Low - 35 ppm / High - 200 ppm	GA36XT-M
Carbon monoxide (CO)	Low - 30 ppm / High - 200 ppm	GA36XT-M30200
Carbon monoxide (CO)	Low - 50 ppm / High - 200 ppm	GA36XT-M50200
To order a 50-unit bulk package (one model type per pack only)		Add Suffix "-B50"

* Add "-BR" to the end of the order number for INMETRO certified detectors (for Brazil only).



Bulk Package

Bulk packaging is the environmentally friendly choice for easy distribution and space efficiency. (Add suffix "-B50" for 50-unit bulk package.)

GasAlertClip Extreme (continued)

Carrying & Protective Accessories

	Order Number
Concussion-proof boot with stainless steel alligator-style clip	GA24-BALERT
Splash guard filters for use with concussion-proof boot (GA24-BALERT) (kit of 5)	GA-BSPLASH-K
Belt clip with screw	GA-CL-1
Hard hat clip (non-conductive)	GA-HC-1
Alligator-style clip with screw (stainless steel - included with detector)	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

Testing Equipment

	Order Number
Test cap and hose (1 ft. / 0.3 m)	GA-TC-1

Event Logging Accessories

	Order Number
IR DataLink USB adaptor	GA-USB2

MicroDock II

	Order Number
MicroDock II Automated Calibration and Testing Station with GasAlertClip Extreme module:	
- H ₂ S (hydrogen sulfide)	DOCK2-2-1E-00-G
- SO ₂ (sulfur dioxide)	DOCK2-2-1F-00-G
- CO (carbon monoxide)	DOCK2-2-1G-00-G
- O ₂ (oxygen)	DOCK2-2-1H-00-G
GasAlertClip Extreme MicroDock II docking module:	
- H ₂ S (hydrogen sulfide)	DOCK2-0-1E-00-G
- SO ₂ (sulfur dioxide)	DOCK2-0-1F-00-G
- CO (carbon monoxide)	DOCK2-0-1G-00-G
- O ₂ (oxygen)	DOCK2-0-1H-00-G

For complete MicroDock II system configuration information, see MicroDock II section.

Calibration & Testing Equipment

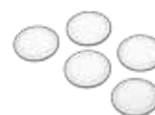
For calibration and testing equipment for this product, please see pages 86-89.



MicroDock II
Automatic test and calibration station (see
MicroDock II section for additional information)



Hard Hat Clip
GA-HC-1



Splash Guard Filters
GA-BSPLASH-K
For concussion-proof boot



Concussion-Proof Boot
GA24-BALERT



IR DataLink
GA-USB2
USB adaptor

GasAlert EXTREME

Single-Gas Detector



H_2S , CO , O_2 , SO_2 , NH_3 , PH_3 , Cl_2 , ClO_2 , NO , NO_2 , HCN , ETO , O_3






Long-term solution

Compact and affordable, the GasAlert Extreme reliably monitors for any single gas hazard within its wide range of available toxic gas models. With easy on/off operation, this single gas detector offers extended longevity with a field-replaceable battery and sensor. A wide range of tamperproof user options and multi-language display make the GasAlert Extreme an ideal solution for a variety of applications; plus, datalogging is standard on all units. Calibration is a simple automatic procedure and is compatible with BW's MicroDock II automatic test and calibration system.

Standard Package Contents

- Detector complete with specified sensor, stainless steel alligator clip and concussion-proof housing
- Calibration/test cap and hose
- Manual
- Multi-language CD manual

General Specifications

Size	1.1 x 2.0 x 3.75 in. / 2.8 x 5.0 x 9.5 cm
Weight	2.9 oz. / 82 g
Typical battery life	1.5 year battery life (typical) with replaceable 3V battery
Certifications and approvals	<div>  Class I, Div. 1, Gr. A, B, C, D Class II, Div. 1, Gr. E, F, G </div> <div>  American Bureau of Shipping </div> <div> ATEX:  II 1 G Ex ia IIC T4 </div> <div> IECEX: Ex ia IIC T4 </div> <div> CE: European Conformity </div>
Warranty	Full two year warranty including sensors (One year Cl_2 , NH_3 , O_3 , ETO and ClO_2 sensors)

5558-12

GasAlert Extreme	Measuring Range	Order Number*	
		Yellow	Black
Ammonia (NH ₃)	0-100 ppm	GAXT-A-DL	GAXT-A-DL-B
Ammonia (NH ₃) (extended range)	0-400 ppm	GAXT-A2-DL	GAXT-A2-DL-B
Carbon monoxide (CO)	0-1000 ppm	GAXT-M-DL	GAXT-M-DL-B
Carbon monoxide (CO-H), H ₂ resistant	0-1000 ppm	GAXT-M2-DL	GAXT-M2-DL-B
Chlorine (Cl ₂)	0-50.0 ppm	GAXT-C-DL	GAXT-C-DL-B
Chlorine dioxide (ClO ₂)	0-1 ppm	GAXT-V-DL	GAXT-V-DL-B
Ethylene oxide (ETO) (C ₂ H ₄ O)	0-100 ppm	GAXT-E-DL	GAXT-E-DL-B
Hydrogen cyanide (HCN)	0-30.0 ppm	GAXT-Z-DL	GAXT-Z-DL-B
Hydrogen sulfide (H ₂ S)	0-100 ppm	GAXT-H-DL	GAXT-H-DL-B
Hydrogen sulfide (H ₂ S) (extended range)	0-500 ppm	GAXT-H-2-DL	GAXT-H-2-DL-B
Nitric oxide (NO)	0-250 ppm	GAXT-N-DL	GAXT-N-DL-B
Nitrogen dioxide (NO ₂)	0-99.9 ppm	GAXT-D-DL	GAXT-D-DL-B
Oxygen (O ₂)	0-30.0%	GAXT-X-DL-2	GAXT-X-DL-B-2
Ozone (O ₃)	0-1 ppm	GAXT-G-DL	GAXT-G-DL-B
Phosphine (PH ₃)	0-5.0 ppm	GAXT-P-DL	GAXT-P-DL-B
Sulfur dioxide (SO ₂)	0-100 ppm	GAXT-S-DL	GAXT-S-DL-B

*Add "-BR" to the end of the order number for INMETRO certified detectors (for Brazil only).

Gas Legend

Cl ₂	Chlorine (C)	NO	Nitric oxide (N)
ClO ₂	Chlorine dioxide (V)	NO ₂	Nitrogen dioxide (D)
CO	Carbon monoxide (M)	O ₂	Oxygen (X)
ETO	Ethylene oxide (C ₂ H ₄ O) (E)	O ₃	Ozone (G)
H ₂ S	Hydrogen sulfide (H)	PH ₃	Phosphine (P)
HCN	Hydrogen cyanide (Z)	SO ₂	Sulfur dioxide (S)
NH ₃	Ammonia (A)		



MicroDock II

Automatic test and calibration station (see MicroDock II section for additional information)



IR DataLink

GA-USB2
USB adaptor

GasAlert Extreme (continued)

Carrying & Protective Accessories	Order Number
Concussion-proof boot with stainless steel alligator-style clip	GA-BALERT
Splash guard filters for use with concussion-proof boot (GA24-BALERT) (kit of 5)	GA-BSPLASH-K
Hard hat clip (non-conductive)	GA-HC-1
Belt clip with screw	GA-CL-1
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

Sampling & Testing Equipment	Order Number
SamplerPak motorized sampling pack kit	GA-SPAK
Deluxe SamplerPak motorized sampling pump kit with alkaline batteries, rechargeable batteries and battery charger	GA-SPAK-NA
Hard-sided carrying case for motorized sampling pump and/or the detector	SPAK-CC1
Manual aspirator pump kit with probe (1 ft. / 0.3 m)	GA-AS02
Test cap and hose (1 ft. / 0.3 m) replacement (included with detector)	GA-TC-1

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

Power Replacements	Order Number
Battery - lithium, 3V	E2829

Datalogging Accessories	Order Number
IR DataLink USB adaptor	GA-USB2



Concussion-Proof Boot
GA-BALERT



Short Strap
GA-LY-1



Neck strap
GA-NS-1



Test Cap Replacement
GA-TC-1



Splash Guard Filters
GA-BSPLASH-K
For concussion-proof boot

GasAlert Extreme (continued)

MicroDock II

Order Number

MicroDock II Automated Calibration and Testing Station (not compatible with ClO₂ or O₃):

- Base station plus GasAlert Extreme docking module

- GasAlert Extreme docking module

DOCK2-2-1D-00-G

DOCK2-0-1D-00-G

For complete MicroDock II system configuration information, see MicroDock II section.

Replacement Sensor Screens

Order Number

Replacement sensor screens with gasket (kit of 10)

GAXT-SS

Replacement Sensors

Order Number

Replacement ammonia (NH₃) sensor*

SR-A04

Replacement ammonia (NH₃) sensor, extended range*

SR-A204

Replacement carbon monoxide (CO) sensor

SR-M04-SC

Replacement carbon monoxide (CO-H) sensor, H₂ resistant

PS-RM04H

Replacement chlorine (Cl₂) sensor*

PS-RC10

Replacement chlorine dioxide (ClO₂) sensor*

SR-V04

Replacement ethylene oxide (ETO) sensor*

SR-E04

Replacement hydrogen cyanide (HCN) sensor

PS-RZ10

Replacement hydrogen sulfide (H₂S) sensor

PS-RH04S

Replacement nitric oxide (NO) sensor

SR-N04

Replacement nitrogen dioxide (NO₂) sensor

PS-RD04

Replacement oxygen (O₂) sensor

SR-X10-C1

For use with GAXT-X-DL-2 and GA-XT-DL-B-2 models.

Replacement ozone (O₃) sensor*

SR-G04

Replacement phosphine (PH₃) sensor

SR-P04

Replacement sulfur dioxide (SO₂) sensor

PS-RS04

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

Calibration & Testing Equipment

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



SamplerPak Kits

Kits include motorized sampling pump, batteries and battery charger (if specified). See SamplerPak section for kit contents, accessories and spares; detector sold separately.



Manual Aspirator Pump

GA-AS02

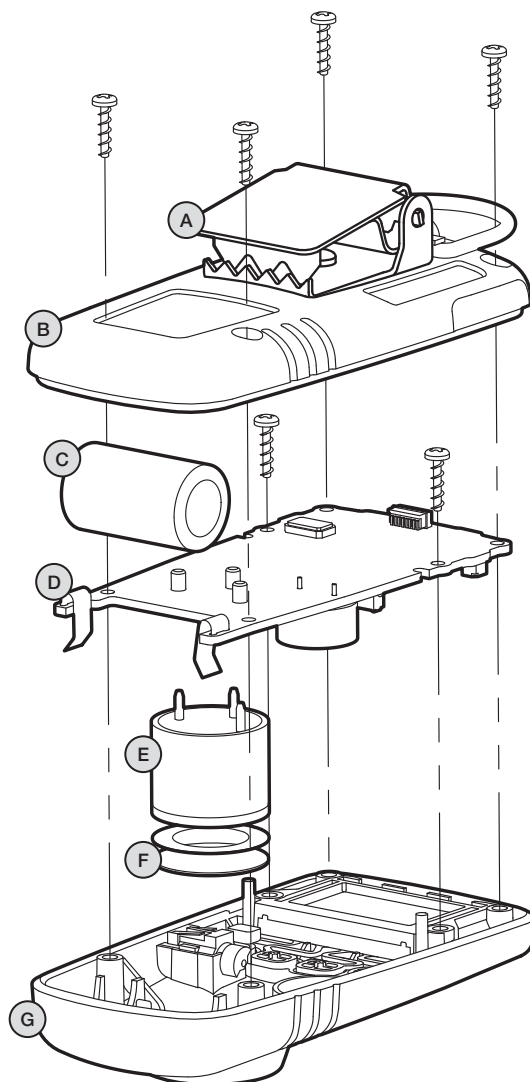
Complete with probe, hose, aspirator pump and adaptor cap



Sensor Screens

GAXT-SS

GasAlert Extreme (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.

GasAlert Extreme (continued)

Legend	Service Parts	Order Number
B	Replacement back enclosure (yellow) with screws	GAXT-BC1
	Replacement back enclosure (black) with screws	GAXT-BC1B
G	Replacement front enclosure (yellow)	GAXT-FC1
	Replacement front enclosure (black)	GAXT-FC1B
A	Replacement alligator-style clip with screw (stainless steel)	GA-AG-2
D	Replacement PCB, ammonia (NH ₃)	GAXT-A-DL-PCB1
	Replacement PCB, ammonia (NH ₃), extended range, datalogging version	GAXT-A2-DL-PCB1
	Replacement PCB, carbon monoxide (CO)	GAXT-M-DL-PCB1
	Replacement PCB, carbon monoxide (CO-H), H ₂ resistant	GAXT-M2-DL-PCB1
	Replacement PCB, chlorine (Cl ₂)	GAXT-C-DL-PCB1
	Replacement PCB, chlorine dioxide (ClO ₂)	GAXT-V-DL-PCB1
	Replacement PCB, ethylene oxide (ETO)	GAXT-E-DL-PCB1
	Replacement PCB, hydrogen cyanide (HCN)	GAXT-Z-DL-PCB1
	Replacement PCB, hydrogen sulfide (H ₂ S)	GAXT-H-DL-PCB1
	Replacement PCB, hydrogen sulfide (H ₂ S), extended range	GAXT-H-2-DL-PCB1
	Replacement PCB, nitric oxide (NO)	GAXT-N-DL-PCB1
	Replacement PCB, nitrogen dioxide (NO ₂)	GAXT-D-DL-PCB1
	Replacement PCB, oxygen (O ₂)	GAXT-X-DL-PCB1
	Replacement PCB, sulfur dioxide (SO ₂)	GAXT-S-DL-PCB1
C	Replacement battery - lithium, 3V	E2829
	Replacement bubble label, hydrogen sulfide (H ₂ S)	GAXT-H-BLABEL
	Replacement LCD holder with light pipe	GAXT-HLCD
	Replacement LCD	GAXT-LCD

How to Replace the Battery

1. With detector OFF, use No. 1 Phillips screwdriver to remove 4 screws from back enclosure (B)
2. Lift back enclosure (B) straight up
3. Lift battery (C) straight up
4. Insert new battery (C)
5. Replace back enclosure (B)
6. Replace 4 screws in back enclosure (B) and hand-tighten until firm

How to Replace the Sensor

1. With detector OFF, use No. 1 Phillips screwdriver to remove 4 screws from back enclosure (B)
2. Lift back enclosure (B) straight up
3. Use No. 1 Phillips screwdriver to remove 2 screws from the back of the PCB (D)
4. Lift PCB (D) together with battery (C) and sensor (E) straight up
5. Remove sensor (E) from PCB (D) by pulling straight up
6. Insert new sensor (E) into PCB (D)
7. Replace PCB (D) and 2 screws and hand-tighten until firm
8. Replace back enclosure (B)
9. Replace 4 screws in back enclosure (B) and hand-tighten until firm

How to Replace the Sensor Screen

1. With detector OFF, use No. 1 Phillips screwdriver to remove 4 screws from back enclosure (B)
2. Lift back enclosure (B) straight up
3. Use No. 1 Phillips screwdriver to remove 2 screws from the back of the PCB (D)
4. Lift PCB (D) together with battery (C) and sensor (E) straight up
5. Remove sensor screen (F) from front enclosure (G) by pulling straight up
6. Insert new sensor screen (F) into front enclosure (G)
7. Replace board (C) and 2 screws and hand-tighten until firm
8. Replace back enclosure (B)
9. Replace 4 screws in back enclosure (B) 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.

ToxiPro® & IQ Express™

Single-Gas Detector & Docking Station



H₂S, CO, O₂, SO₂, NH₃, PH₃, Cl₂, NO₂, HCN



The field replaceable ToxiPro® single-gas detector has three visual alarm windows that come standard with both high visibility yellow (warning) and red (danger) alarm LEDs that flash and chase. New enhancements for the IQ Management System provide automated email alerts so you and your entire group are in control by knowing instantly what alarms are occurring and more specifically, with customizable settings, only the alarms that are important to you. You can now be assured that during an incident you will know who was wearing the detector, what work area they were in, when the event took place and what type of alarm event they experienced. Incident investigation time is now reduced.



Managing your gas detection program is automatic with the IQ Express™ Dock, helping to improve compliance and reduce labor and calibration costs. As part of the IQ Management System, the IQ Express Dock allows you to create a better gas detection program.



Standard Package Contents

- Detector complete with specified sensor
- Calibration/test cap and hose
- Manual
- Calibration card

General Specifications

Size	3.3 x 2.2 x 1.2 in. / 3.0 x 8.4 x 5.6 cm	
Weight	3.5 oz. / 99 g	
Typical battery life	One year	
Certifications and approvals		Class I, Div. 1, Gr. A, B, C, D T4 Class II, Div. 1, Group E, F, G
		Class I, Div. 1, Group A, B, C, D T4 Class II, Div. 1, Group E, F, G
	ATEX:	(DEMKO) II 1 G Ex ia IIC T4
	IECEX:	Ex ia IIC T4 Ga
	CE:	European Conformity
	CQST:	Ex ia IIC T4 (China)
Warranty	Full two year warranty including sensors (One year SO ₂ , NH ₃ , PH ₃ , Cl ₂ , NO ₂ , HCN sensors)	

SS01137C_v2 7/12

ToxiPro® & IQ Express™

Single-Gas Detector & Docking Station

ToxiPro® Single-Gas Detectors	Order Number
Ammonia (NH ₃), vibrating alarm, datalogging	54-45-21VD
Carbon monoxide (CO), vibrating alarm, datalogging	54-45-01VD
Carbon monoxide (CO-H), H ₂ resistant, vibrating alarm, datalogging	54-45-19VD
Chlorine (Cl ₂), vibrating alarm, datalogging	54-45-18VD
Hydrogen cyanide (HCN), vibrating alarm, datalogging	54-45-10VD
Hydrogen sulfide (H ₂ S), vibrating alarm, datalogging	54-45-02VD
Nitrogen dioxide (NO ₂), vibrating alarm, datalogging	54-45-09VD
Oxygen (O ₂), vibrating alarm, datalogging	54-45-90VD
Phosphine (PH ₃), vibrating alarm, datalogging	54-45-13VD
Sulfur dioxide (SO ₂), vibrating alarm, datalogging	54-45-03VD

Power Spares	Order Number
Battery - lithium, 3V	E2829

Datalogging Accessories	Order Number
Infrared communication device (USB - IrDA requires one available PC USB port)	54-26-0605U

Replacement Sensor Screens	Order Number
Replacement sensor filter	54-46-101

Replacement Sensors	Order Number
Replacement ammonia (NH ₃) sensor*	54-47-21
Replacement carbon monoxide (CO) sensor	54-47-01
Replacement carbon monoxide sensor (CO-H), H ₂ resistant	54-47-19
Replacement chlorine (Cl ₂) sensor*	54-47-18
Replacement hydrogen cyanide (HCN) sensor*	54-47-23
Replacement hydrogen sulfide (H ₂ S) sensor	54-47-02
Replacement nitrogen dioxide (NO ₂) sensor*	54-47-24
Replacement oxygen (O ₂) sensor	54-47-90
Replacement phosphine (PH ₃) sensor*	54-47-13
Replacement sulfur dioxide (SO ₂) sensor*	54-47-03

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



Infrared Communication Device
54-26-0605U



Sensor Filter
54-46-101

ToxiPro® & IQ Express™ Docking Station (continued)

IQ Express™ Docking Station

IQ Express includes wall outlet power adaptor, international plug kit, ToxiPro IQ and IQ Express Software, IQ System installation guide, USB cable, hose, user manual and Database Manager user manual CD.

Order Number

IQ Express Docking Station, enhanced version with Ethernet for networking	54-46-9100N
IQ Express Docking Station, enhanced version (USB only)	54-46-9100

Replacement Part Kits

Order Number

Replacement alligator clip	TP-AG-1
Replacement front cover (NH ₃)	TP-FC-A
Replacement front cover (Cl ₂)	TP-FC-C
Replacement front cover (NO ₂)	TP-FC-D
Replacement front cover (H ₂ S)	TP-FC-H
Replacement front cover (CO)	TP-FC-M
Replacement front cover (CO-H)	TP-FC-M2
Replacement front cover (PH ₃)	TP-FC-P
Replacement front cover (SO ₂)	TP-FC-S
Replacement front cover (O ₂)	TP-FC-X
Replacement front cover (HCN)	TP-FC-Z
Replacement back cover with screws	TP-BC-1
Replacement LCD/vibrator kit	TP-LCDV-1
Replacement buzzer kit	TP-BZ-1
Replacement PCB with LCD and Vibrator	TP-PCB-1
Replacement PCB with LCD and Vibrator (O ₂ only)	TP-PCBO-1
Replacement screw kit (enough for 10 units)	TP-SCREW-10
O-ring gasket (kit of 10)	TP-OR-10
Sensor gasket (kit of 10)	TP-SG-10
Sensor gasket (kit of 10), for use with reactive gases	TP-SGR-10
Replacement test cap	TP-TC-1
Replacement test cap, for use with reactive gases	TP-TC-2

Calibration & Testing Equipment

For calibration and testing equipment for this product, please see page 91.



IQ Express™ Docking Station

54-46-9100N / 54-46-9100

Automatically test, calibrate and manage records

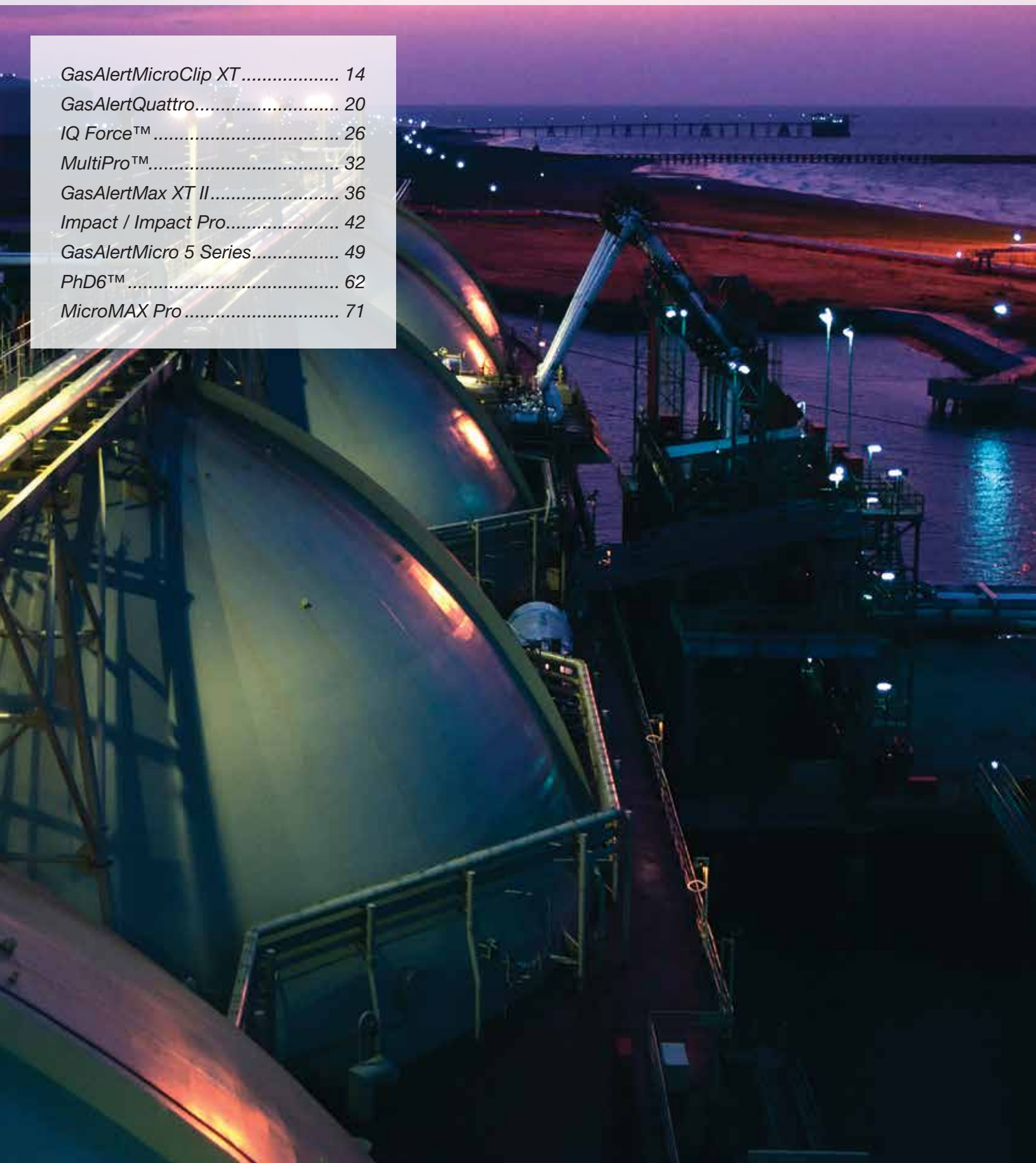


Multi-Gas Detectors

<i>GasAlertMicroClip XT</i>	14
<i>GasAlertQuattro</i>	20
<i>IQ Force™</i>	26
<i>MultiPro™</i>	32
<i>GasAlertMax XT II</i>	36
<i>Impact / Impact Pro</i>	42
<i>GasAlertMicro 5 Series</i>	49
<i>PhD6™</i>	62
<i>MicroMAX Pro</i>	71

Multi-Gas Detectors

GasAlertMicroClip XT	14
GasAlertQuattro.....	20
IQ Force™	26
MultiPro™.....	32
GasAlertMax XT II.....	36
Impact / Impact Pro.....	42
GasAlertMicro 5 Series.....	49
PhD6™	62
MicroMAX Pro	71



GasAlert MicroClipXT

Multi-Gas (1–4) Detector



H₂S, CO, O₂, LEL



IntelliFlash


Multi-gas made simple

The slim and compact GasAlertMicroClip XT provides affordable protection from atmospheric hazards. This multi-gas detector offers continuous visual confirmation of detector operation and compliance with the IntelliFlash feature and simple one-button operation offers ultimate ease of use and significantly reduces time spent training the user. The GasAlertMicroClip XT is fully compatible with BW's MicroDock II automatic test and calibration system.

Standard Package Contents

- Detector complete with specified sensor(s), stainless steel alligator clip and concussion-proof housing
- Rechargeable battery
- Wall outlet charging adaptor
- Calibration/test cap and hose
- Manual
- Multi-language CD manual

General Specifications

Size	4.4 x 2.4 x 1.1 in. / 11.3 x 6.0 x 2.9 cm
Weight	6 oz. / 171 g
Temperature	-4 to +122°F / -20 to +50°C
Typical battery life	10 hours (typical); recharges in less than 4 hours
Certifications and approvals	<div> <div>  <p>Class I, Div. 1, Gr. A, B, C, D</p> </div> <div> <p>ATEX: CE II 1 G Ex ia IIC T4 Ga</p> </div> <div> <p>IECEX: Ex ia IIC T4 Ga</p> </div> <div> <p>CE: European Conformity</p> </div> </div>
Warranty	Full two year warranty including all sensors

6642-3

	Order Number	
	Yellow	Black
GasAlertMicroClip XT 4-Gas Detector		
%LEL, O ₂ , H ₂ S, CO	MC2-XWHM-Y-NA	MC2-XWHM-B-NA
GasAlertMicroClip XT 3-Gas Detector		
%LEL, O ₂ , H ₂ S	MC2-XWH0-Y-NA	MC2-XWH0-B-NA
%LEL, O ₂ , CO	MC2-XW0M-Y-NA	MC2-XW0M-B-NA
O ₂ , H ₂ S, CO	MC2-X0HM-Y-NA	MC2-X0HM-B-NA
GasAlertMicroClip XT 2-Gas Detector		
%LEL, O ₂	MC2-XW00-Y-NA	MC2-XW00-B-NA
H ₂ S, CO	MC2-00HM-Y-NA	MC2-00HM-B-NA
O ₂ , H ₂ S	MC2-X0H0-Y-NA	MC2-X0H0-B-NA
O ₂ , CO	MC2-X00M-Y-NA	MC2-X00M-B-NA
GasAlertMicroClip XT 1-Gas Detector		
O ₂	MC2-X000-Y-NA	MC2-X000-B-NA
H ₂ S	MC2-00H0-Y-NA	MC2-00H0-B-NA
CO	MC2-000M-Y-NA	MC2-000M-B-NA

GasAlertMicroClip XT Region Codes

For orders outside North America, change order number component “-NA” to:

“-EU” Europe	“-BR” Brazil
“-UK” United Kingdom	“-OR” Other region with 3-pin UK plug
“-AU” Australia	“-OE” Other region with 2-pin UK plug
“-CN” China/New Zealand	

Gas Legend

%LEL	Combustible (W)
O ₂	Oxygen (X)
H ₂ S	Hydrogen sulfide (H)
CO	Carbon monoxide (M)



MicroDock II

Automatic test and calibration station (see MicroDock II section for additional information)

GasAlertMicroClip XT (continued)

Confined Space Kit	Order Number
GasAlertMicroClip XT deluxe confined space kit - includes manual aspirator kit, IR Connectivity Kit with Fleet Manager II software, sampling probe, 10 ft. / 3 m sampling hose, leather carrying case, auxiliary filter kit, calibration cap with 1 ft. / 0.3 m hose, and 0.5 LPM regulator <i>Detector, calibration gas and motorized sampling pump sold separately.</i>	MC-CK-DL
Carrying case for GasAlertMicroClip XT with foam and lid insert	MC-CK-CC

Carrying & Protective Accessories	Order Number
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
Black leather and PVC carrying holster	MC2-LC-1
Auxiliary filter kit (complete with filter adaptor and 5 filters)	MC-AF-K1
Auxiliary filter adaptor (no filters)	MC-AF-1
Auxiliary filter replacement for adaptor (kit of 10)	MC-SS-AF-K1

Sampling & Testing Equipment	Order Number
SamplerPak motorized sampling pump kit	GA-SPAK
Deluxe SamplerPak motorized sampling pump kit with alkaline batteries, rechargeable batteries and battery charger	GA-SPAK-NA
Carrying case for motorized sampling pump and/or the detector	SPAK-CC1
Manual aspirator pump kit with probe (1 ft. / 0.3 m)	MC-AS01
Test cap and hose (1 ft. / 0.3 m) replacement	MC-TC-1

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



Black Leather PVC Case
MC2-LC-1

Deluxe Confined Space Kit MC-CK-DL

Order detector, calibration gas and motorized sampling pump separately.



Manual Aspirator Pump Kit
MC-AS01

For remote sampling; complete with probe, hose, aspirator pump and adaptor cap



Auxiliary Filter Kit
MC-AF-K1

Easily attaches in the field to protect the internal filter



Test Cap
MC-TC-1



SamplerPak Kits

Kits include motorized sampling pump, batteries and battery charger (if specified). See SamplerPak section for kit contents, accessories and spares; detector sold separately.

GasAlertMicroClip XT (continued)

Power Options and Spares	Order Number
Multi-unit (5) cradle charger	MC2-C01-MC5
Multi-unit (5) wall outlet power adaptor	GA-PA-1-MC5-NA*
12-24 V _{DC} vehicle power adaptor	GA-VPA-1
12-24 V _{DC} direct-wire power adaptor	GA-PA-3
Replacement wall outlet power adaptor	GA-PA-1-NA*

*For regions outside North America replace "-NA" with: "-EU" for Europe, "-UK" for United Kingdom and "-AU" for Australia/China.

Datalogging Accessories	Order Number
IR connectivity kit with Fleet Manager II software	GA-USB1-IR

MicroDock II	Order Number
MicroDock II Automated Calibration and Testing Station:	
- Base station and GasAlertMicroClip XT docking module with charging cable	DOCK2-2-1C1P-00-G
- Base station and GasAlertMicroClip XT docking module without charging cable	DOCK2-2-1P-00-G
- GasAlertMicroClip XT docking module with charging cable	DOCK2-0-1C1P-00-G
- GasAlertMicroClip XT docking module without charging cable	DOCK2-0-1P-00-G
<i>Note: For complete MicroDock II system configuration information, see MicroDock II section.</i>	

Replacement Sensor Screens	Order Number
Replacement quad sensor screen filters for GasAlertMicroClip XT (kit of 2)	MC2-SS
Replacement quad sensor screen filters for GasAlertMicroClip XT (kit of 10)	MC2-SS-K1

Sensor Spares	Order Number
Replacement MICROpeL® combustible (LEL) sensor	SR-W-MP75C
Replacement oxygen (O ₂) sensor	SR-X10-C1
Replacement MICROcel® hydrogen sulfide (H ₂ S) sensor	SR-H-MC
Replacement MICROcel® carbon monoxide (CO) sensor	SR-M-MC
Dummy sensor for combustible (LEL) sensor location	SR-W-MC-DUM
Dummy sensor for the oxygen sensor location	SR-DUMM1
Dummy sensor for toxic sensor locations	SR-TOX-MC-DUM

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



Multi-Unit Power Adaptor
GA-PA-1-MC5-NA*
Simultaneously charges five detectors



Multi-Unit Cradle Charger
MC2-C01-MC5
Simultaneously charges five detectors



Vehicle Power Adaptor
12-24 V_{DC}
GA-VPA-1

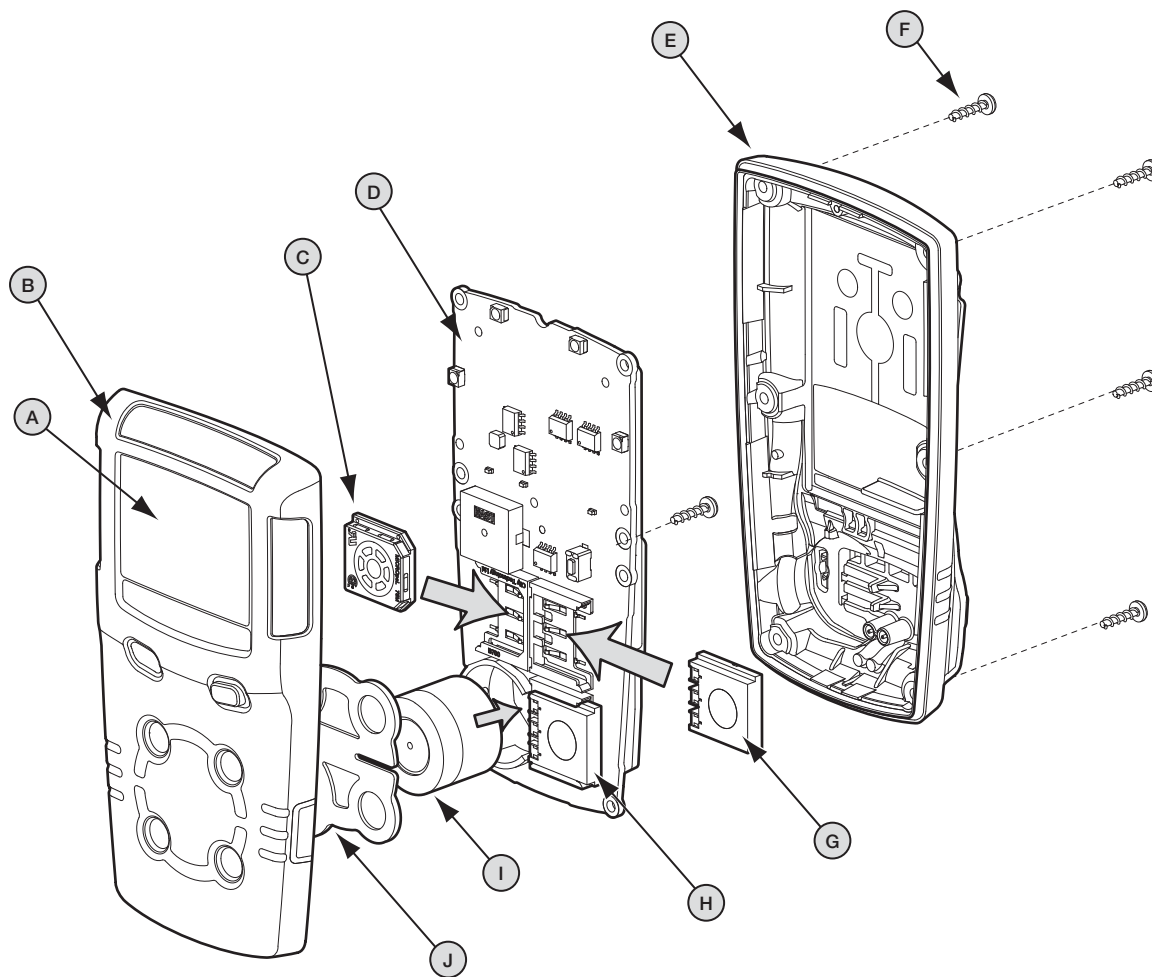


Direct-Wire Power Adaptor
12-24 V_{DC}
GA-PA-3



IR Connectivity Kit
GA-USB1-IR
Use for data download and instrument set-up options

GasAlertMicroClip XT (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.

GasAlertMicroClip XT (continued)

Legend	Service Parts	Order Number
B	Replacement front enclosure (yellow) for GasAlertMicroClip XT	MC2-FC1
	Replacement front enclosure (black) for GasAlertMicroClip XT	MC2-FC1B
E	Replacement back enclosure (yellow) with screws and alligator clip for GasAlertMicroClip XT	MC2-BC1
	Replacement back enclosure (black) with screws and alligator clip for GasAlertMicroClip XT	MC2-BC1B
	Replacement flex PCB for GasAlertMicroClip XT	MC2-FPCB1
D	Replacement main PCB with battery and screws for GasAlertMicroClip XT	MC2-MPCB1
A	Replacement LCD kit for GasAlertMicroClip XT	MC-LCD-K1
F	Replacement screws (kit of 20)	MC-SCREW-K1

How to Replace a Sensor

1. With detector OFF, use No. 1 Phillips screwdriver to remove 6 screws from back enclosure (E)
2. Lift back enclosure (E) straight up
3. Use No. 1 Phillips screwdriver to remove 2 screws from back of PCB (D)
4. Lift PCB (D) together with battery and sensors (C, G, H, I) straight up
5. Remove sensors (C, G, or H) by sliding out or sensor (I) by pulling straight up from PCB (D)
6. Insert new sensor (C, G, H, I) into PCB (D)
7. Replace PCB (D) and 2 screws and hand-tighten until firm
8. Replace back enclosure (E)
9. Replace 6 screws in back enclosure (E) and hand-tighten until firm

How to Replace the Sensor Screen

1. With detector OFF, use No. 1 Phillips screwdriver to remove 6 screws from back enclosure (E)
2. Lift back enclosure (E) straight up
3. Use No. 1 Phillips screwdriver to remove 2 screws from back of PCB (D)
4. Lift PCB (D) together with battery and sensors (C, G, H, I) straight up
5. Remove sensor screen (J) from front enclosure (B)
6. Insert new sensor screen (J) into front enclosure (B)
7. Replace PCB (D) and 2 screws and hand-tighten until firm
8. Replace back enclosure (E)
9. Replace 6 screws in back enclosure (E) 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.

GasAlert Quattro

Multi-Gas (1-4) Detector



H₂S, CO, O₂, LEL



IntelliFlash

Visual auditing, easy compliance

Rugged and reliable, the GasAlertQuattro four-gas detector combines a comprehensive range of features with simple one-button operation. With flexible power options, the GasAlertQuattro is always ready. The graphic LCD displays easy to identify icons that indicate operational information, such as bump test and calibration status for simplified onsite auditing. IntelliFlash provides continuous visual confirmation of detector operation and compliance. Suited to a wide range of industrial applications including confined space entry, the GasAlertQuattro is fully compatible with BW's MicroDock II automatic test and calibration system.

Meets ACGIH 1 ppm H₂S TWA recommendations.

Visit gasmonitors.com to download the latest Fleet Manager II update.

Standard Package Contents:

- GasAlertQuattro
- Rechargeable battery pack or alkaline pack with three AA batteries
- Charger wall plug (with rechargeable battery option)
- Calibration cap and hose
- Reversible screwdriver
- Manual, materials booklet and technical reference guide

General Specifications

Size	5.1 x 3.2 x 1.9 in. / 13.0 x 8.1 x 4.7 cm	
Weight	- 11.15 oz. / 316 g (with rechargeable battery pack) - 11.92 oz. / 338 g (with alkaline battery pack)	
Typical battery life	AA alkaline:	14 hours (+68 to 122°F / +20 to 50°C)
	Rechargeable:	20 hours (+68 to 122°F / +20 to 50°C) 18 hours (-4 to +32°F / -20 to 0°C)
Certifications and approvals	Class I, Div. 1, Gr. A, B, C, D ATEX: CE II 1 G Ga Ex ia IIC T4 IECEX: Ga Ex ia IIC T4 INMETRO: BR-Ex ia IIC T4	
Warranty	Full two year warranty including all sensors	

6432-3

GasAlertQuattro 4-Gas Detector	Alkaline Version*	Rechargeable Version*
%LEL, O ₂ , H ₂ S, CO	QT-XWHM-A-Y-NA	QT-XWHM-R-Y-NA
GasAlertQuattro 3-Gas Detector	Alkaline Version*	Rechargeable Version*
%LEL, O ₂ , H ₂ S	QT-XWH0-A-Y-NA	QT-XWH0-R-Y-NA
%LEL, O ₂ , CO	QT-XW0M-A-Y-NA	QT-XW0M-R-Y-NA
O ₂ , H ₂ S, CO	QT-X0HM-A-Y-NA	QT-X0HM-R-Y-NA
GasAlertQuattro 2-Gas Detector	Alkaline Version*	Rechargeable Version*
%LEL, O ₂	QT-XW00-A-Y-NA	QT-XW00-R-Y-NA
H ₂ S, CO	QT-00HM-A-Y-NA	QT-00HM-R-Y-NA
O ₂ , H ₂ S	QT-X0H0-A-Y-NA	QT-X0H0-R-Y-NA
O ₂ , CO	QT-X00M-A-Y-NA	QT-X00M-R-Y-NA
GasAlertQuattro 1-Gas Detector	Alkaline Version*	Rechargeable Version*
O ₂	QT-X000-A-Y-NA	QT-X000-R-Y-NA
H ₂ S	QT-00H0-A-Y-NA	QT-00H0-R-Y-NA
CO	QT-000M-A-Y-NA	QT-000M-R-Y-NA

*Black housing available with all GasAlertQuattro configurations. To order a unit with black housing replace "-Y-" with "-B-".

GasAlertQuattro Region Codes

For orders outside North America, change order number suffix "-NA" to:

"-EU"	Europe	"-CN"	China/New Zealand
"-UK"	United Kingdom	"-OR"	Other region with 3-pin UK plug
"-AU"	Australia	"-OE"	Other region with 2-pin UK plug

Gas Legend

%LEL	Combustible (W)
O ₂	Oxygen (X)
H ₂ S	Hydrogen sulfide (H)
CO	Carbon monoxide (M)

GasAlertQuattro (continued)

Confined Space Kits

	Order Number
GasAlertQuattro Confined Space Kit - includes GasAlertQuattro detector (% LEL, O ₂ , H ₂ S, CO) and standard package contents, plus rechargeable battery pack and wall charging adapter, alkaline battery pack and AA batteries, manual aspirator kit, IR Connectivity Kit with Fleet Manager II software, sampling probe, calibration cap with 1 ft. / 0.3 m hose, calibration gas (2.5% CH ₄ , 18% O ₂ , 25 ppm H ₂ S, 100 ppm CO), and 0.5 LPM regulator <i>Motorized sampling pump sold separately.</i>	QT-XWHM-R-Y-NA-CS
GasAlertQuattro Deluxe Confined Space Kit - includes manual aspirator kit, IR Connectivity Kit with Fleet Manager II software, sampling probe, carrying holster, auxiliary filter kit, calibration cap with 1 ft. / 0.3 m hose and 0.5 LPM regulator <i>Detector, calibration gas and motorized sampling pump sold separately.</i>	QT-CK-DL
Carrying case for GasAlertQuattro with foam insert	QT-CK-CC

Carrying & Protective Accessories

	Order Number
Concussion-proof boot	GA-BQT
Carrying holster	GA-HQT
Auxiliary filter (LCD protector) - includes five filters	QT-AF-K1
Replacement auxiliary filter for use with QT-AF-K1 (kit of 10)	QT-SS-AF-K1
Vehicle attachment (compatible with single T-pattern or 4-hole AMPS mounting system)	QT-VMB-1
Replacement alligator-style clip (stainless steel with screw)	XT-AG-1
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

Sampling & Testing Equipment

	Order Number
SamplerPak motorized sampling pump kit with alkaline batteries	GA-SPAK
Deluxe SamplerPak motorized sampling pump kit with alkaline batteries, rechargeable batteries and battery charger	GA-SPAK-NA
Carrying case for motorized sampling pump and/or detector	SPAK-CC1
Manual aspirator pump	QT-AS01
Sample probe with hydrophobic and particulate filters	GA-PROB1-1
Filter and gasket replacements for sample probe (GA-PROB1-1)	GA-PROB-FIL-K1
Metallic sintered particulate filter	GA-MFILTER
Sampling float	GA-FLOAT
Replacement test cap and hose	QT-TC-1

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



Confined Space Kit
QT-XWHM-R-Y-NA-CS
Order pump separately



Concussion-Proof Boot
GA-BQT



Auxiliary filter
QT-AF-K1
Protects LCD and includes five filters



Carrying Holster
GA-HQT



SamplerPak Kits
Kits include motorized sampling pump, batteries and battery charger (if specified). See SamplerPak section for kit contents, accessories and spares; detector sold separately.

GasAlertQuattro (continued)

Power Accessories	Order Number
Rechargeable battery pack, yellow	QT-BAT-R01
Rechargeable battery pack, black	QT-BAT-R01B
Alkaline battery pack with batteries, yellow	QT-BAT-A01
Alkaline battery pack with batteries, black	QT-BAT-A01B
Multi-unit (5) cradle charger	QT-C01-MC5
Multi-unit (5) wall outlet power adaptor	GA-PA-1-MC5-NA*
12-24 V _{DC} vehicle power adaptor	GA-VPA-1
12-24 V _{DC} direct-wire power adaptor	GA-PA-3
Replacement wall outlet power adaptor	GA-PA-1-NA*

*For regions outside North America replace "-NA" with: "-EU" for Europe, "-UK" for United Kingdom and "-AU" for Australia/China

Datalogging Accessories	Order Number
IR connectivity kit with Fleet Manager II software	GA-USB1-IR



**Rechargeable / Alkaline
Battery Packs**
QT-BAT-R01 / QT-BAT-A01



Vehicle Power Adaptor
12-24 V_{DC}
GA-VPA-1



Multi-Unit Cradle Charger
QT-C01-MC5
*Simultaneously charge five
detectors and/or batteries*



Direct-Wire Power Adaptor
12-24 V_{DC}
GA-PA-3
*Used for emergency vehicles
and other applications*



Multi-Unit Power Adaptor
GA-PA-1-MC5-NA*
*Simultaneously charge five
detectors and/or batteries*



IR Connectivity Kit
GA-USB1-IR
*Use for data download and
instrument set-up options*



Vehicle attachment
QT-VMB-1
*Compatible with single T-pattern or
4-hole AMPS mounting system
(not included)*

GasAlertQuattro (continued)

MicroDock II

Order Number

MicroDock II Automated Calibration and Testing Station:

- Base station and GasAlertQuattro docking module with charging cable
- Base station and GasAlertQuattro docking module without charging cable
- GasAlertQuattro docking module with charging cable
- GasAlertQuattro docking module without charging cable

DOCK2-2-1C1N-00-G
DOCK2-2-1N-00-G
DOCK2-0-1C1N-00-G
DOCK2-0-1N-00-G

Replacement Sensor Screens

Order Number

Replacement quad sensor screen (kit of 2)

QT-SS

Replacement quad sensor screen (kit of 10)

QT-SS-K1

Replacement Sensors

Order Number

Replacement combustible (% LEL) sensor

SR-W04-75C

Replacement oxygen (O₂) sensor

SR-X10-C1

Replacement hydrogen sulfide (H₂S) sensor

SR-H04-SC

Replacement carbon monoxide (CO) sensor

SR-M04-SC

Dummy sensor for one oxygen (O₂), hydrogen sulfide (H₂S) or carbon monoxide (CO) location

SR-DUMM1

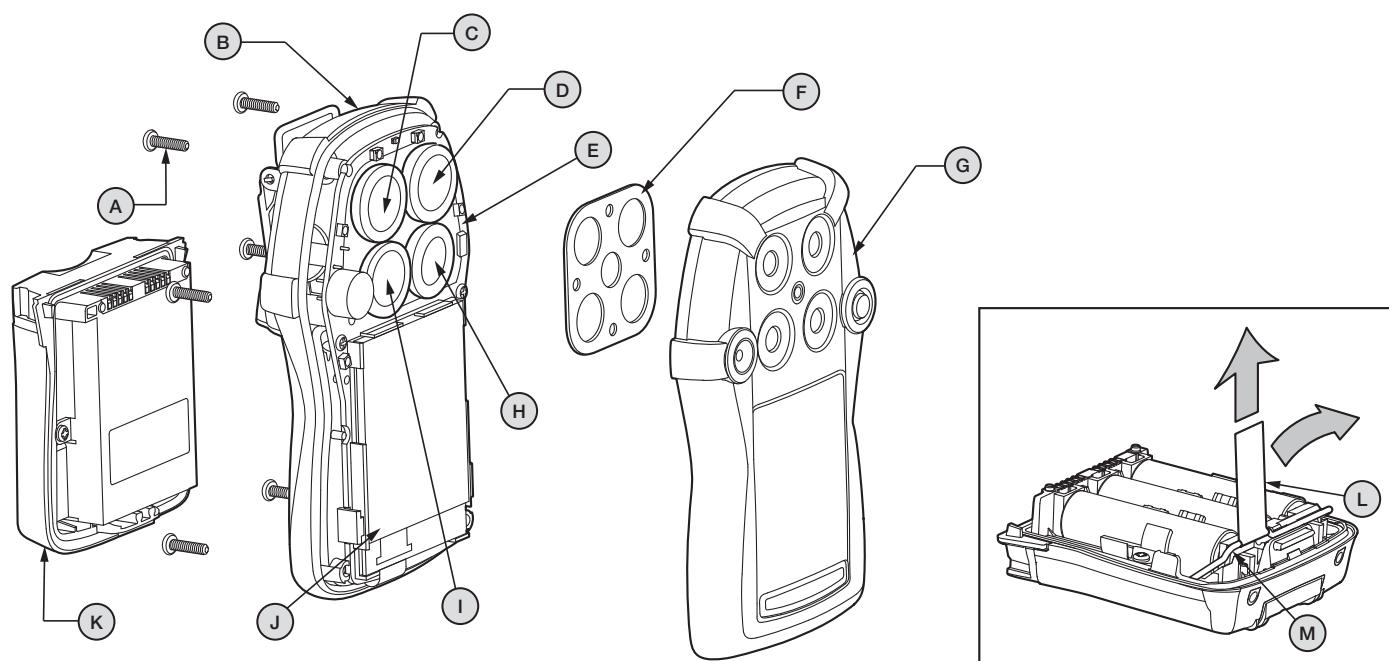
Dummy sensor for the combustible (LEL) location

SR-DUMM2

Calibration & Testing Equipment

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

GasAlertQuattro (continued)



Legend	Service Parts	Order Number
G	Replacement front enclosure (yellow)	QT-FC1
	Replacement front enclosure (black)	QT-FC1B
B	Replacement back enclosure (yellow) with screws	QT-BC1
	Replacement back enclosure (black) with screws	QT-BC1B
E	Replacement main PCB and sensor PCB kit	QT-PCB-K1
F	Replacement quad sensor screen (kit of 2)	QT-SS
	Replacement quad sensor screen (kit of 10)	QT-SS-K1
A	Replacement screw kit (kit of 40 screws)	QT-SCREW-K1
J	Replacement LCD kit	QT-LCD-K1
	Replacement vibration motor	GA-VM-2

How to Replace a Sensor

1. With detector OFF, remove battery pack from back of instrument
2. Use No. 1 Phillips screwdriver to remove 6 screws from back enclosure (B)
3. Lift front enclosure (G) straight up
4. Remove sensor (C, D, H, I) from PCB (C) by pulling straight up
5. Insert new sensor (C, D, H, I) into socket
6. Replace front enclosure (G)
7. Replace 6 screws in back enclosure (B) and hand-tighten until firm

How to Replace the Sensor Screen

1. With detector OFF, remove battery pack from back of instrument
2. Use No. 1 Phillips screwdriver to remove 6 screws from back enclosure (B)
3. Lift front enclosure (G) straight up
4. Remove sensor screen (F) from front enclosure (G) by pulling straight up
5. Insert new sensor screen (F) into front enclosure (G)
6. Replace front enclosure (G)
7. Replace 6 screws in back enclosure (B) and hand-tighten until firm

How to Replace the Alkaline Batteries in the Battery Pack

1. With detector OFF, remove battery pack from back of instrument
2. On battery pack, pull on tab (L) until ejector bar (M) releases from the ejector bar holder
3. Pull ejector bar (M) straight up (on side opposite of tab) until batteries dislocate from battery pack
4. Insert new batteries, one by one, inserting positive (+) end first
5. Important: push the ejector bar (M) into the lever holder until fully secured*
6. Insert battery pack into detector

*Failure to perform step 5 properly could result in damage to the batteries, battery pack and/or detector

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.

IQ Force™

Multi-Gas (1–4) Detector



H₂S, CO, O₂, LEL



IQ Force™ packs dependability and versatility into a remarkably rugged four-gas detector. Ideally suited for confined space entry and other industrial applications, the plug-in motorized pump option makes it exceptionally easy to switch between diffusion and pumped operation. Combine IQ Force with IQ Management System for simple data management and detector maintenance that benefits your bottom line.



Visit www.yoursafetyprogram.com for more information on IQ Force and IQ Management System.



Standard Package Contents

- IQ Force detector complete with specified sensors
- Cradle charger and wall outlet power adaptor
- Calibration/test cap and hose
- User manuals and documentation CD

General Specifications

Size	4.7 x 3.3 x 2.6 in. / 12 x 8.3 x 6.5 cm (without pump)
	6.3 x 3.3 x 2.6 in. / 16 x 8.3 x 6.5 cm (with pump)
Weight	12.8 oz. / 363 g (without pump)
	16.3 oz. / 463 g (with pump)
Pump	Maximum hose length: 50 ft. / 15 m
Typical battery life	Continuous @ 68°F (20°C):
	22 hours (without pump)
	14 hours (with pump)
	Continuous @ -4°F (-20°C):
Certifications and approvals	13 hours (without pump)
	2½ hours (with pump)
	 Class I, Div. 1, Gr. A, B, C, D T4
	Class II, Div. 1, Gr. F, G
	 Class I, Div. 1, Gr. A, B, C, D T4
	CSA C22.2 No. 152
	ATEX: Ex d ia IIC T4
	IECEX: Ex ia IIC T4 Gb
Warranty	2 years including all sensors

SS01157_v1 11/12

Honeywell

IQ Force™ 4-Gas Detector	Order Number
%LEL, O ₂ , H ₂ S, CO	IQ-XWY-B-NA

IQ Force™ 3-Gas Detector	Order Number
%LEL, O ₂ , CO	IQ-XWM-B-NA
%LEL, O ₂ , H ₂ S	IQ-XWH-B-NA
%LEL, O ₂ , CO-H (H ₂ resistant)	IQ-XWF-B-NA
O ₂ , H ₂ S, CO	IQ-X0Y-B-NA

IQ Force™ 2-Gas Detector	Order Number
%LEL, O ₂	IQ-XW0-B-NA
O ₂ , CO	IQ-X0M-B-NA
O ₂ , H ₂ S	IQ-X0H-B-NA
O ₂ , CO-H (H ₂ resistant)	IQ-X0F-B-NA
H ₂ S, CO	IQ-00Y-B-NA

IQ Force™ 1-Gas Detector	Order Number
O ₂	IQ-X00-B-NA
CO	IQ-00M-B-NA
H ₂ S	IQ-00H-B-NA
CO-H (H ₂ resistant)	IQ-00F-B-NA

Gas Legend

%LEL	Combustible (W)
O ₂	Oxygen (X)
H ₂ S	Hydrogen sulfide (H)
CO	Carbon monoxide (M)
CO-H	Carbon monoxide, hydrogen resistant (F)

IQ Force™ (continued)

Confined Space Kits

Order Number

IQ Force Deluxe Confined Space Kit - includes IQ Force pump module, IR dongle with BioTrak I software, sample probe with filter kit, 10 ft. / 3 m sampling hose, demand flow regulator and heavy duty carrying case with foam insert

IQ-CK-DL

Note: Detector and calibration gas sold separately.

Heavy duty carrying case for IQ Force with foam insert

IQ-CK-CC

Note: Detector, sampling equipment and calibration gas sold separately.

Sampling & Testing Equipment

Order Number

IQ Force pump module - includes sample probe, filter kit and hose (10 ft. / 3 m)

IQ-PUMP

Manual sample draw kit - includes sampling probe, filter kit, calibration/test cap, squeeze bulb and hose (10 ft. / 3 m)

IQ-PROBE

Sample probe assembly

54-05-A0403

Note: Hose, squeeze bulb and calibration/test cap sold separately.

Sampling hose (10 ft. / 3 m, 3/16 in. I.D., 5/16 in. O.D.)

50113284-005

Note: Not for use with reactive gases.

Sampling hose (50 ft. / 15 m, 3/16 in. I.D., 5/16 in. O.D.)

50113284-006

Note: Not for use with reactive gases.

Replacement test cap and hose for IQ Force

IQ-TC-1

Datalogging Accessories

Order Number

Infrared communication device (USB - IrDA) - requires one available USB port

54-26-0605U

Confined Space Kit

IQ-CK-DL



Test Cap and Hose

IQ-PROBE



Sample Probe Assembly

54-05-A0403



IQ Force™ Pump Module

IQ-PUMP

Includes sample probe, filter kit and hose (10 ft. / 3 m)



Manual Sample Draw Kit

IQ-PROBE

Includes sampling probe, filter kit, calibration/test cap, squeeze bulb and hose (10 ft. / 3 m)



Infrared Communication Device

54-26-0605U



IQ Force™ Docking Station

Includes wall outlet power adaptor, IQ Force and dock software, USB cable, hose and user manual CD.

Order Number

IQ Force Dock, stand-alone with Ethernet for networking (North American plug type)	IQ-DOCK
IQ Force Dock, stand-alone with Ethernet for networking (universal - includes all plug types)	IQ-DOCK-G

Power Accessories

Order Number

Replacement cradle charger for IQ Force	IQ-C01
Replacement wall outlet power adaptor for IQ Force (universal - includes all plug types)	IQ-PA-1
Replacement battery for IQ Force	IQ-BAT-K1

Replacement Sensor Screens

Order Number

Replacement sensor screens for IQ Force (kit of 9)	IQ-SS
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Replacement Sensors

Order Number

Replacement oxygen (O ₂) sensor	SR-X-IQF
Replacement carbon monoxide (CO) sensor	SR-M-IQF
Replacement carbon monoxide (CO-H, H ₂ resistant) sensor	SR-F-IQF
Replacement hydrogen sulfide (H ₂ S) sensor	SR-H-IQF
Replacement Duo-Tox sensor – carbon monoxide (CO) and hydrogen sulfide (H ₂ S)	SR-Y-IQF
Replacement combustible (LEL) sensor	SR-W-IQF

Calibration & Testing Equipment

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

IQ Force™ Docking Station

IQ-DOCK / IQ-DOCK-G

Automatically test, calibrate, charge and manage records



Sensor Screens

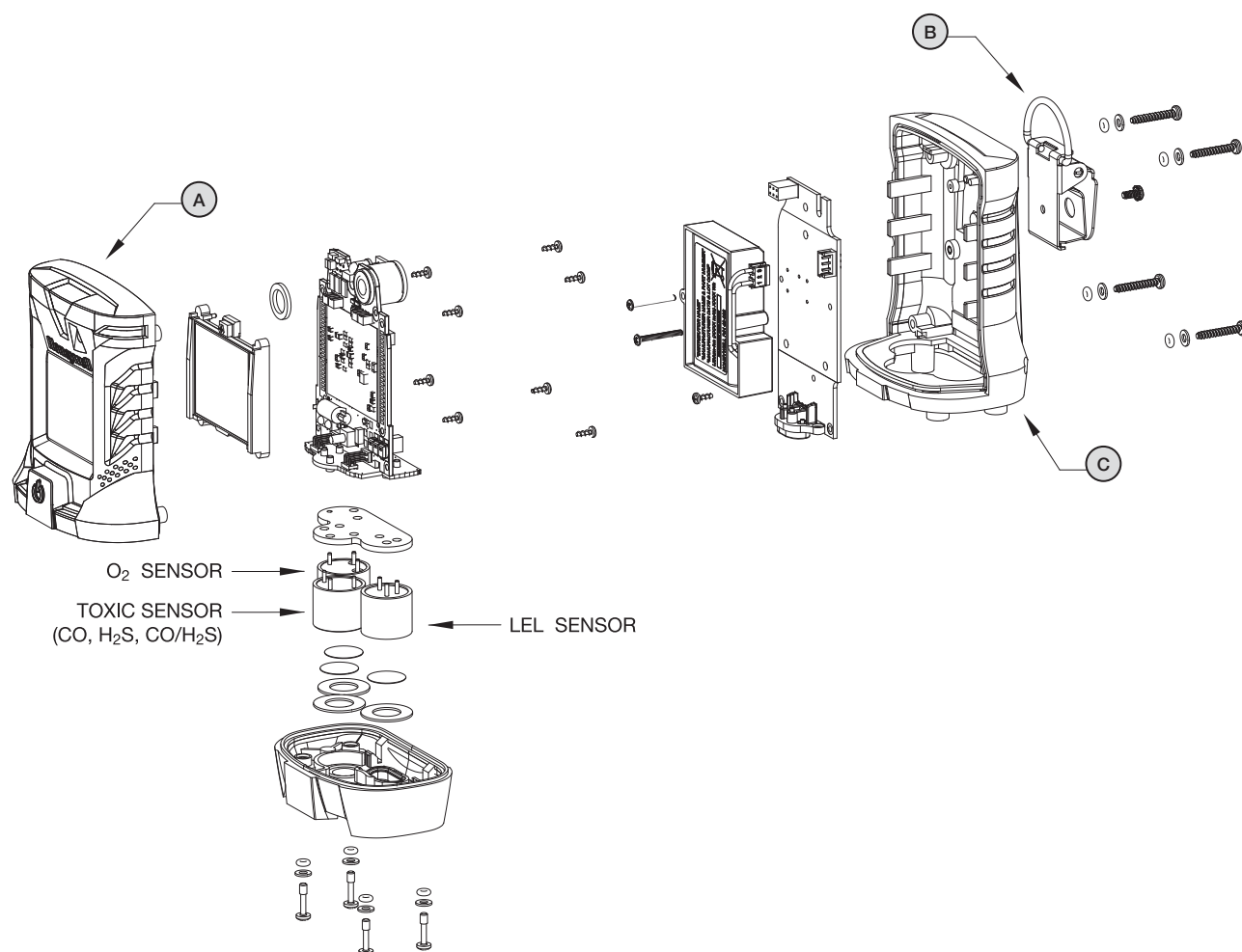
IQ-SS



Cradle Charger

IQ-C01

IQ Force™ (continued)



Legend	IQ Force Service Parts	Order Number
A	Replacement front cover for IQ Force	IQ-FC1
B	Replacement stainless steel alligator clip for IQ Force	IQ-AG-1
C	Replacement back cover with screws for IQ Force	IQ-BC1

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.



MultiPro™ & IQ Express™

Multi-Gas (1–4) Detector & Docking Station



H_2S , CO, O_2 , LEL





The MultiPro™ multi-gas detector monitors up to four confined space gases simultaneously, in real-time. It offers one button operation and calibration, an easy-to-read LCD display, audible and visual alarms and event logger. The rugged, compact, economical MultiPro comes with an optional sample draw pump.



As part of the IQ Management System, the automated IQ Express™ docking station saves on calibration gas costs, automates your record keeping, and ensures your instrument is working to specifications. The MultiPro IQ Express Docking Station is a fully automated bump test and calibration station that performs up to twelve critical operational procedures. It helps improve compliance and reduce labor and calibration gas costs. As part of the IQ Management System, the MultiPro IQ Express Dock allows you to create a better gas detection program.

General Specifications

Size	4.5 x 2.7 x 1.7 in. / 11.4 x 6.8 x 4.3 cm (without pump) 6.8 x 2.7 x 1.7 in. / 17.1 x 6.8 x 4.3 cm (with pump)
Weight	Alkaline: 9.9 oz. / 280 g (without pump) 13.1 oz. / 370 g (with pump) Rechargeable: 7.8 oz. / 220 g (without pump) 10.9 oz. / 310 g (with pump)
Typical battery life	Alkaline or rechargeable: 22 hours (@ 70°F/22°C) With pump: 14-16 hours
Certifications and approvals	<div>  Class I, Div. 1, Gr. A, B, C, D T4 Class II, Div. 1, Gr. E, F, G Class III </div> <div>  Class I, Div. 1, Gr. A, B, C, D T4 </div> <div>ATEX: (DEMKO) Ex ia d IIC T4</div> <div>IECEX: Ex ia d IIC T4</div> <div>CE: European Conformity</div> <div>CQST: Ex ia d IIC T4 (China)</div>
Warranty	Two years including battery, pump and sensors

SS01137B_v1 8/11

Honeywell

MultiPro™ & IQ Express™

Multi-Gas (1–4) Detector & Docking Station

MultiPro™ 4-Gas Detector

Order Number

%LEL, O ₂ , H ₂ S, CO, rechargeable battery pack, datalogging, vibrating alarm	54-48-314NYD
%LEL, O ₂ , H ₂ S, CO, alkaline battery pack, datalogging, vibrating alarm	54-48-314ADY

MultiPro™ 3-Gas Detector

Order Number

%LEL, O ₂ , CO, rechargeable battery pack, datalogging, vibrating alarm	54-48-301NDY
%LEL, O ₂ , CO, alkaline battery pack, datalogging, vibrating alarm	54-48-301ADY
%LEL, O ₂ , H ₂ S, rechargeable battery pack, datalogging, vibrating alarm	54-48-302NDY
%LEL, O ₂ , H ₂ S, alkaline battery pack, datalogging, vibrating alarm	54-48-302ADY

MultiPro™ 2-Gas Detector

Order Number

%LEL, O ₂ , rechargeable battery pack, datalogging, vibrating alarm	54-48-300NDY
%LEL, O ₂ , alkaline battery pack, datalogging, vibrating alarm	54-48-300ADY

Gas Legend

%LEL	Combustible
O ₂	Oxygen
H ₂ S	Hydrogen sulfide
CO	Carbon monoxide

MultiPro™ & IQ Express™ Docking Station (continued)

Confined Space Kits	Order Number
MultiPro Case for Confined Space Kit (CSK) - Foam lined, rugged, waterproof carrying case with room for one 58 L cylinder of calibration gas and a regulator <i>Note: Detector, sampling equipment and calibration gas sold separately.</i>	35-0817
MultiPro Case for Value Pack - Foam-lined case with room for one 34 L cylinder of calibration gas and a regulator <i>Note: Detector, sampling equipment and calibration gas sold separately.</i>	16-119

Sampling & Testing Equipment	Order Number
Continuous sample pump, includes hose (10 ft. / 3 m, 3/16 in. I.D., 5/16 in. O.D.) and sample probe assembly	54-49-102
Manual sample draw kit, includes adaptor, squeeze bulb, hose (10 ft. / 3 m, 3/16 in. I.D., 5/16 in. O.D.) and sample probe assembly	54-49-105
Sample draw adaptor / test cap	54-49-104
Sample probe assembly <i>Note: Hose, squeeze bulb and calibration/test cap sold separately.</i>	54-05-A0403
Sampling hose (10 ft. / 3 m, 3/16 in. I.D., 5/16 in. O.D.) <i>Note: Not for use with reactive gases.</i>	50113284-005
Sampling hose (50 ft. / 15 m, 3/16 in. I.D., 5/16 in. O.D.) <i>Note: Not for use with reactive gases.</i>	50113284-006

Power Accessories	Order Number
Slip-in charger (110 VAC)	54-49-103-1
Slip-in fast charger (12 Vdc), includes "cigarette lighter" style adaptor and vehicle mounting hardware	54-49-103-12
Replacement power adaptor for MultiPro™ slip-in charger (110 VAC)	54-49-103-5
Alkaline battery pack	54-49-106
Rechargeable battery pack	54-49-107



Continuous Sample Pump
54-49-102
Includes hose (10 ft. / 3 m) and sample probe assembly



Sample draw adaptor / test cap
54-49-104



Manual Sample Draw Kit
54-49-105
Includes adaptor, squeeze bulb, hose (10 ft. / 3 m) and sample probe assembly

Slip-In Fast Charger (12 Vdc)
54-49-103-12

includes "cigarette lighter" style adaptor and vehicle mounting hardware



Sample Probe Assembly
54-05-A0403



Alkaline Battery Pack
54-49-106



Rechargeable Battery Pack
54-49-107

MultiPro™ & IQ Express™ Docking Station (continued)

Datalogging Accessories

Order Number

Datalogger upgrade action codes (serial number required to order)

54-49-108

Infrared communication device (USB - IrDA) - requires one available USB port

54-26-0605U

MultiPro™ IQ Express™ Docking Station

Includes wall outlet power adaptor, international plug kit, MultiPro IQ Software, IQ System installation guide, USB cable, hose, user manual and Database Manager user manual CD.

Order Number

MultiPro IQ Express Docking Station

54-49-9000

MultiPro IQ Express Docking Station, with Ethernet for networking

54-49-9000N

Sensor Replacements

Order Number

Sensor exchange set, O₂, LEL, Duo-Tox (CO / H₂S)

54-49-200

Sensor exchange set, O₂, LEL, CO

54-49-201

Sensor exchange set, O₂, LEL, H₂S

54-49-202

Replacement sensor Duo-Tox (CO / H₂S)

54-49-14

Replacement sensor O₂

54-49-90

Replacement sensor CO

54-49-25

Replacement sensor H₂S

54-49-02

Replacement sensor LEL

54-49-80C

Service Parts

Order Number

Replacement front cover

35-0993

Replacement back cover with screws

10-500

Replacement main PCB for MultiPro with alarm board and LCD

35-0633-SS

Replacement main PCB for MultiPro with alarm board, LCD and vibrating alarm

35-0644-SS

Calibration & Testing Equipment

For calibration and testing equipment for this product, please see page 91.



Infrared Communication Device
54-26-0605U



IQ Express™ Docking Station
54-49-9000 / 54-49-9000N
Automatically test, calibrate, charge and manage records

GasAlert MaxXT II

Multi-Gas (1-4) Detector

H₂S, CO, O₂, LEL



IntelliFlash

Go the distance, and save

GasAlertMax XT II is the smart, simple, economical way to compliance. Workers feel safe and incidents are minimized so everyone will be able to do more. That means savings realized from business continuity and productivity.


Simple operation, with SmartSample pump.

GasAlertMax XT II reliably monitors up to four hazards and combines straightforward one-button operation, a robust, motorized pump for remote sampling, and now features IntelliFlash, the flashing LED compliance indicator that tells you at-a-glance your gas detector is functioning correctly. The GasAlertMax XT II is fully compatible with MicroDock II automated test and calibration system.

Standard Package Contents

- Detector complete with specified sensor(s), stainless steel alligator clip and concussion-proof housing
- Rechargeable battery
- Wall outlet charging adaptor
- 3 ft. / 1 m calibration hose with quick connect
- 10 ft. / 3 m sampling hose with particulate filter and quick connect
- Reversible screwdriver
- Kit of spare pump filters (5 particulate and 5 hydrophobic)
- Manual
- Multi-language CD manual

General Specifications

Size	5.1 x 2.8 x 2.0 in. / 13.1 x 7.0 x 5.2 cm
Weight	11.5 oz. / 328 g
Typical battery life	13 hours @ 32°F / 0°C 8 hours @ -4°F / -20°C Recharges in 6 hours
Certifications and approvals	<div> <div>  Class I, Div. 1, Gr. A, B, C, D </div> <div> IECEX: Ga Ex ia IIC T4 </div> <div> ATEX: CE II 1 G Ga Ex ia IIC T4 </div> <div> INMETRO: BR-Ex ia IIC T4 </div> </div>
Warranty	Full two year warranty including all sensors

6570-0

	Order Number	
	Yellow	Black
GasAlertMax XT II 4-Gas Detector		
%LEL, O ₂ , H ₂ S, CO	XT-XWHM-Y-NA	XT-XWHM-B-NA
GasAlertMax XT II 3-Gas Detector		
%LEL, O ₂ , H ₂ S	XT-XWH0-Y-NA	XT-XWH0-B-NA
%LEL, O ₂ , CO	XT-XW0M-Y-NA	XT-XW0M-B-NA
O ₂ , H ₂ S, CO	XT-X0HM-Y-NA	XT-X0HM-B-NA
GasAlertMax XT II 2-Gas Detector		
%LEL, O ₂	XT-XW00-Y-NA	XT-XW00-B-NA
H ₂ S, CO	XT-00HM-Y-NA	XT-00HM-B-NA
O ₂ , H ₂ S	XT-X0H0-Y-NA	XT-X0H0-B-NA
O ₂ , CO	XT-X00M-Y-NA	XT-X00M-B-NA
GasAlertMax XT II 1-Gas Detector		
O ₂	XT-X000-Y-NA	XT-X000-B-NA
H ₂ S	XT-00H0-Y-NA	XT-00H0-B-NA
CO	XT-000M-Y-NA	XT-000M-B-NA

GasAlertMax XT II Region Codes

For orders outside North America, change order number suffix “-NA” to:

“-EU” Europe	“-BR” Brazil
“-UK” United Kingdom	“-OR” Other region with 3-pin UK plug
“-AU” Australia	“-OE” Other region with 2-pin UK plug
“-CN” China/New Zealand	

Gas Legend

%LEL	Combustible (W)
O ₂	Oxygen (X)
H ₂ S	Hydrogen sulfide (H)
CO	Carbon monoxide (M)



MicroDock II

Automatic test and calibration station
(see MicroDock II section for additional information)

GasAlertMax XT II (continued)

Confined Space Kits	Order Number
GasAlertMax XT II Confined Space Kit - includes GasAlertMax XT II detector (% LEL, O ₂ , H ₂ S, CO) and standard package contents, plus wall charging adapter, IR Connectivity Kit with Fleet Manager II software, sampling probe, hydrophobic (5) and particulate (5) pump filters, 10 ft. / 3 m sampling hose, calibration gas (2.5% CH ₄ , 18% O ₂ , 25 ppm H ₂ S, 100 ppm CO) and 0.5 LPM regulator	XT-XWHM-Y-NA-CS
GasAlertMax XT II Deluxe Confined Space Kit - includes IR Connectivity Kit with Fleet Manager II software, sampling probe, 10 ft. / 3 m sampling hose, 3 ft. / 1 m hose, concussion-proof boot, carrying holster and 0.5 LPM regulator <i>Detector and calibration gas sold separately.</i>	XT-CK-DL
Carrying case for GasAlertMax XT II with foam insert <i>Detector and calibration gas sold separately.</i>	XT-CK-CC

Carrying & Protective Accessories	Order Number
Concussion-proof boot with stainless steel alligator-style clip	GA-BXT
Carrying holster for GasAlertMax XT II and sampling hose	GA-HXT
Neck strap with safety release	GA-NS-1
Extension strap (4 ft. / 1.2 m)	GA-ES-1
Short strap (6 in. / 15.2 cm)	GA-LY-1
Chest harness	GA-CH-2

Sampling/Testing Equipment and Spares	Order Number
Auxiliary pump filter (kit of 5)	M5-AF-K2
Auxiliary pump filter (kit of 100)	M5-AF-K2-100
Hydrophobic pump filter (thick) replacement (kit of 5)	XT-RF-H5
Hydrophobic pump filter (thick) replacement (kit of 50)	XT-RF-H50
Hydrophobic pump filter (thick) replacement (kit of 100)	XT-RF-H100
Particulate pump filter (thin) replacement (kit of 5)	GA-PFMAX
Particulate pump filter (thin) replacement (kit of 50)	GA-PFMAX-50
Particulate pump filter (thin) replacement (kit of 100)	GA-PFMAX-100
Quick connect fitting spares for hoses (kit of 2)	M0931K

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



Confined Space Kit
XT-XWHM-Y-NA-CS



Multi-Unit Cradle Charger
XT-C01-MC5
Simultaneously charge five detectors

Multi-Unit Power Adaptor
GA-PA-1-MC5-NA
Simultaneously charge five detectors



Concussion-Proof Boot
GA-BXT

Carrying Holster
GA-HXT
Sampling Probe
GA-PROB1-1



Vehicle Power Adaptor
12-24 Vdc
GA-VPA-1



Direct-Wire Power Adaptor
12-24 Vdc
GA-PA-3
Used for emergency vehicles and other applications

GasAlertMax XT II (continued)

Power Accessories	Order Number
Multi-unit (5) cradle charger	XT-C01-MC5
Multi-unit (5) wall outlet power adaptor	GA-PA-1-MC5-NA*
12-24 V _{DC} vehicle power adaptor	GA-VPA-1
12-24 V _{DC} direct-wire power adaptor	GA-PA-3
Replacement wall outlet power adaptor	GA-PA-1-NA*

*For regions outside North America replace "-NA" with: "-EU" for Europe, "-UK" for United Kingdom and "-AU" for Australia/China.

Datalogging Accessories	Order Number
IR connectivity kit with Fleet Manager II software	GA-USB1-IR

MicroDock II	Order Number
MicroDock II Automated Calibration and Testing Station:	
- base station and GasAlertMax XT II docking module with charging cable	DOCK2-2-1C1M-00-G
- base station and GasAlertMax XT II docking module without charging cable	DOCK2-2-1M-00-G
- GasAlertMax XT II docking module with charging cable	DOCK2-0-1C1M-00-G
- GasAlertMax XT II docking module without charging cable	DOCK2-0-1M-00-G
<i>GasAlertMax XT II modules are backwards compatible with legacy GasAlertMax XT models.</i>	
<i>For complete MicroDock II system configuration information, see MicroDock II section.</i>	

Replacement Sensor Screens	Order Number
Replacement quad sensor screens for GasAlertMax XT II (kit of 2)	XT-SS-1
Replacement quad sensor screens For GasAlertMax XT II (kit of 10)	XT-SS-K2

Replacement Sensors	Order Number
Replacement MICROpeL® combustible (LEL) sensor	SR-W-MP75C
Replacement oxygen (O ₂) sensor (for use with GasAlertMax XT II only)	SR-X2V
Replacement oxygen (O ₂) sensor	SR-X10-C1
Replacement MICROcel® hydrogen sulfide (H ₂ S) sensor	SR-H-MC
Replacement MICROcel® carbon monoxide (CO) sensor	SR-M-MC
Dummy sensor for combustible (LEL) sensor location	SR-W-MC-DUM
Dummy sensor for oxygen (O ₂) sensor location	SR-DUMM1
Dummy sensor for toxic sensor locations	SR-TOX-MC-DUM

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



Quick Connect Fitting

M0931K

Quick connect fitting for hoses, kit of two

Hydrophobic Pump Filter (Thick)

XT-RF-H5 / XT-RF-H50 / XT-RF-H100

Particulate Pump Filter (Thin)

GA-PFMAX / GA-PFMAX-50 / GA-PFMAX-100

Both are available in kits of 5, 50 or 100



Auxiliary Pump Filter

M5-AF-K2 / M5-AF-K2-100

For high dust environments;
available in kits of 5 or 100

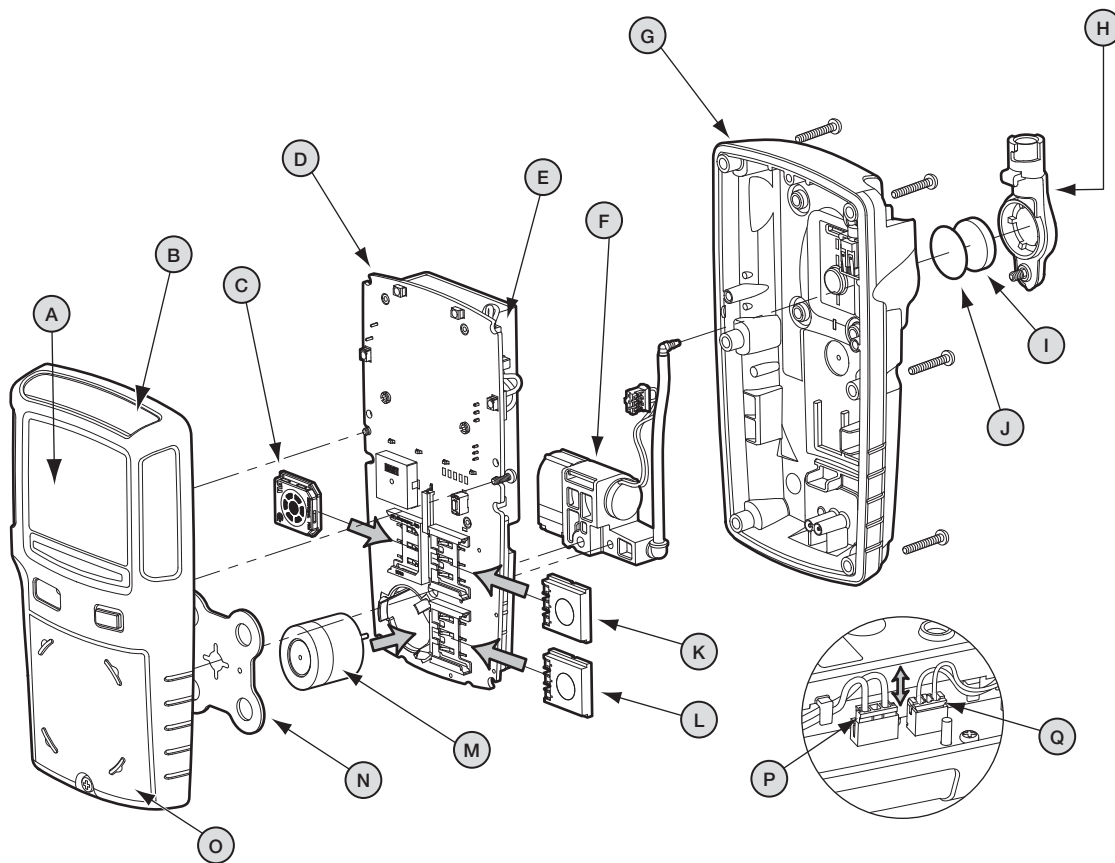


IR Connectivity Kit

GA-USB1-IR

Use for data download and
instrument set-up options

GasAlertMax XT II (continued)



How to Replace the Battery

1. With detector OFF, use No. 1 Phillips screwdriver to loosen retaining screw on pump enclosure (H)
2. Lift pump enclosure (H) so it unhooks from back enclosure (G)
3. Use No. 1 Phillips screwdriver to remove 6 screws from back enclosure (G)
4. Lift back enclosure (G) straight up
5. Lift battery (E) straight up, un-thread wires and disconnect battery wires from the battery connector (P)
6. Connect new battery wires (P), re-thread wires and place new battery on PCB (D)
7. Replace back enclosure (G)
8. Replace 6 screws in back enclosure (G) and hand-tighten until firm
9. Replace pump enclosure (H) and hand-tighten retaining screw until firm

How to Replace the Pump Module

1. With detector OFF, use No. 1 Phillips screwdriver to loosen retaining screw on pump enclosure (H)
2. Lift pump enclosure (H) so it unhooks from back enclosure (G)
3. Use No. 1 Phillips screwdriver to remove 6 screws from back enclosure (G)
4. Lift back enclosure (G) straight up
5. Lift battery straight up and un-thread pump module (F) wires
6. Disconnect hose with connector from the black housing of the pump module (F)
7. Lift pump module (F) straight up and disconnect pump module (F) wires from the pump connector (Q)
8. Connect new pump module wires (Q), re-thread wires and place new pump module (F) on PCB (D)
9. Reconnect hose with connector to the black housing of the pump module (F)
10. Return battery to PCB (D) and replace back enclosure (G)
11. Replace 6 screws in the back enclosure (G) and hand-tighten until firm
12. Replace pump enclosure (H) and hand-tighten retaining screw 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.

GasAlertMax XT II (continued)

Legend	Service Parts	Order Number
B	Replacement front enclosure (yellow) for GasAlertMax XT II	XT-FC1-1
	Replacement front enclosure (black) for GasAlertMax XT II	XT-FC1B-1
G	Replacement back enclosure (yellow) with screws for GasAlertMax XT II	XT-BC1
	Replacement back enclosure (black) with screws for GasAlertMax XT II	XT-BC1B
O	Replacement sensor enclosure with screw (yellow) with screw for GasAlertMax XT II	XT-SC1
	Replacement sensor enclosure with screw (black) with screw for GasAlertMax XT II	XT-SC1B
H	Replacement pump enclosure (yellow) with screw for GasAlertMax XT II	XT-PC1
	Replacement pump enclosure (black) with screw for GasAlertMax XT II	XT-PC1B
D	Replacement main PCB with screws for GasAlertMax XT II	XT-MPCB2
E	Replacement battery kit for GasAlertMax XT II	XT-BAT-K1
F	Replacement pump kit for GasAlertMax XT II	XT-RPUMP-K1
	Replacement alligator clip with screw for GasAlertMax XT II	XT-AG-1
A	Replacement LCD kit for GasAlertMax XT II	XT-LCD-K1
	Replacement screw kit for GasAlertMax XT II	XT-SCREW-K1

How to Replace a Sensor

1. With detector OFF, use No. 1 Phillips screwdriver to loosen retaining screw on pump enclosure (H)
2. Lift pump enclosure (H) so it unhooks from back enclosure (G)
3. Use No. 1 Phillips screwdriver to remove 6 screws from back enclosure (G)
4. Lift back enclosure (G) straight up
5. Use No. 1 Phillips screwdriver to remove 2 screws from back of PCB (D)
6. Lift PCB (D) together with battery and sensors straight up
7. Remove sensor (C, K, L) by sliding out or sensor (M) by pulling straight up from PCB (D)
8. Insert new sensor (C, K, L, M) into PCB (D)
9. Replace PCB (D) and 2 screws and hand-tighten until firm
10. Replace back enclosure (G)
11. Replace 6 screws in the back enclosure (G) and hand-tighten until firm
12. Replace pump enclosure (H) and hand-tighten retaining screw until firm

How to Replace the Sensor Screen

1. With detector OFF, use No. 1 Phillips screwdriver to loosen retaining screw on pump enclosure (H)
2. Lift pump enclosure (H) so it unhooks from back enclosure (G)
3. Use No. 1 Phillips screwdriver to remove 6 screws from back enclosure (G)
4. Lift back enclosure (G) straight up
5. Use No. 1 Phillips screwdriver to remove 2 screws from back of PCB (D)
6. Lift PCB (D) together with battery and sensors straight up
7. Remove sensor screen (N) from front enclosure (B) by pulling straight up
8. Insert new sensor screen (N) into front enclosure (B)
9. Replace PCB (D) and 2 screws and hand-tighten until firm
10. Replace back enclosure (G)
11. Replace 6 screws in the back enclosure (G) and hand-tighten until firm
12. Replace pump enclosure (H) and hand-tighten retaining screw 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.

Impact & Impact Pro

Multi-Gas (1–4) Detector



CO₂, LEL, H₂S, CO, O₂, SO₂, NH₃, NO₂, Cl₂, CH₄





Feature	Impact	Impact Pro
Datalogging	X	X
Disposable OFCH Cartridge	X	X
Serviceable Cartridge		X
Built-in Pump		X
Vibrating Alarm		X
Exotic Gases (non OFCH)		X
Safelink		X

Using high specification combustible, Oxygen and patented SureCell™ toxic sensors, our unique cartridge technology ensures safe, accurate and reliable measurements are always made. Available in two configurations, the Impact and Impact Pro accept either disposable and/or serviceable cartridges respectively, all of which are pre-calibrated and can be replaced in under one minute, simplifying maintenance and minimizing cost wherever possible. Options include built-in motorized pump, a wide range of accessories, the unique Enforcer calibration system and compliance friendly Safelink communication system. Compact and rugged, these monitors are designed for tough working environments while being small, lightweight and unobtrusive, making them ideal for use in confined spaces where entry and exit may be difficult.

Standard Package Contents

- Detector
- 4 x AA batteries
- Belt clip
- Flow adaptor
- Operating instructions (on CD)
- Multi-language quick start guide (printed)
- Integral pump and pump adaptor (optional, Impact Pro only)

General Specifications

Size	1.9 x 3.3 x 5.3 in. / 4.9 x 8.4 x 13.6 cm	
Weight	Max. 18 oz. / 520 g (when equipped with rechargeable battery and optional pump)	
Typical battery life	NiMH rechargeable: > 10 hrs. (charging time 7 hrs.) Dry cell disposable: > 17 hrs. <i>Nominal reduction of 10% when used with pump.</i>	
Certifications and approvals	 Class I, Div. 1, Gr. A, B, C, D  Class I, Div. 1, Gr. A, B, C, D Marine: Marine Equipment Directive MED 96/98/EC	
Warranty	Instrument: Two years Sensors: CO ₂ , %LEL, % Vol Sensors (Infrared/IR): 24 months CO ₂ Cartridge (Electrochemical SureCell™): 12 months CO ₂ Cartridge (Electrochemical Microcell): 6 months All other cartridges: 12 months	

BRO303_V3 3/08

Honeywell

Impact & Impact Pro

Multi-Gas (1–4) Detector



Impact Sensor Cartridge

Honeywell Analytics' unique cartridge technology enables the Impact series of portable multi-gas detectors to monitor and display up to four gases simultaneously. The pre-calibrated cartridges use high specification combustible, oxygen and toxic sensors to ensure that safe, accurate and reliable measurements are always made.

Convenient to Use

- Self contained package
- Pre-calibrated, ready to go
- Can be replaced in the field

Easy to Install

- Single captive screw fitting mechanism
- Reduces training requirements

Planned Maintenance Made Easy

- Countdown to replacement or calibration included as standard
- Provides predictive cost of ownership

Supplied Fully Configured

- Gas specific data held on smart cartridge
- Three levels of instantaneous alarm and time weighted average alarms on toxic
- Pre-set limits adjustable via PC if required

Serviceable Cartridge Option

- Individual sensor replacement possible
- Traditional service options apply

Gas Detector (sensor cartridge and accessories must be ordered separately)

	Order Number
Impact, certified UL / CSA	2302B20008UE
Impact Pro, certified UL / CSA	2302B20009UE

12 Month Disposable Sensor Cartridges

	Order Number
%LEL, O ₂ , CO, H ₂ S	2302BCD40FCHO
%LEL, O ₂	2302BCD20FXXO
%LEL, O ₂ , CO	2302BCD30FCXO

24 Month Disposable Sensor Cartridges

	Order Number
%LEL, O ₂ , CO, H ₂ S	2302BCD42FCHO

Serviceable Sensor Cartridges

	Order Number
%LEL, O ₂ , NH ₃	2302BCS30FAXO
%LEL, O ₂ , CO ₂	2302BCS30FDXO
%LEL, O ₂ , CO, NH ₃	2302BCS40FCAO
%LEL, O ₂ , CO, SO ₂	2302BCS40FCSO
%LEL, O ₂ , CO, Cl ₂	2302BCS40FCLO
%LEL, O ₂ , CO ₂ , CO	2302BCS40FDCO
%LEL, O ₂ , SO ₂ , H ₂ S	2302BCS40FSHO

Gas Legend

Cl ₂	Chlorine	%LEL	Combustible
CO	Carbon monoxide	NH ₃	Ammonia
CO ₂	Carbon dioxide	O ₂	Oxygen
H ₂ S	Hydrogen sulfide	SO ₂	Sulfur dioxide

Impact & Impact Pro (continued)

IR % LEL Sensor Options	Order Number
%LEL (methane, CH ₄ , IR), O ₂ , CO, H ₂ S	2302BCS4ORCHO

IR CO ₂ Sensor Options	Order Number
CO ₂ (IR), O ₂ , CO, H ₂ S	2302BCS4OTCHO
CO ₂ (IR), O ₂ , NH ₃ , SO ₂	2302BCS4OTASO
CO ₂ (IR), O ₂ , NH ₃ , Cl ₂	2302BCS4OTALO
CO ₂ (IR), O ₂ , CO, NH ₃	2302BCS4OTCAO
CO ₂ (IR), O ₂ , CO, SO ₂	2302BCS4OTCSO
CO ₂ (IR), O ₂ , CO, Cl ₂	2302BCS4OTCLO
CO ₂ (IR), O ₂ , H ₂ S, NH ₃	2302BCS4OTHAO
CO ₂ (IR), O ₂ , H ₂ S, Cl ₂	2302BCS4OTHLO
CO ₂ (IR), O ₂ , SO ₂ , H ₂ S	2302BCS4OTSHO



Confined Space Entry Kit

The confined space entry kit features high-impact, watertight protection along with a lifetime warranty against breakage. Molded foam interior has compartments for two Impact Pro detectors, calibration gas bottle, Enforcer bump test/calibration kit, charging cradle, datalogging cable, batteries and flow adaptor; additional compartments are available for power supplies, cables and adaptors. Case can be ordered separately or with fully stocked confined space entry kit.

Confined Space Kits	Order Number
Deluxe Impact Pro / Enforcer confined space kit - includes Impact / Enforcer case, Impact Pro multi-gas detector, one-year sensor cartridge (O ₂ , CH ₄ , CO, H ₂ S), Enforcer calibration device, charger kit with data / charging cradle, power supply and rechargeable batteries, USB to RS232 data cable, and sampling hose (30 ft. / 10 m). <i>Note: Calibration gas sold separately. Gas flow regulator not required for Enforcer use.</i>	2302B1010
Deluxe Impact Pro / Enforcer confined space kit - includes Impact / Enforcer case, Impact Pro multi-gas detector, two-year sensor cartridge (O ₂ , CH ₄ , CO, H ₂ S), Enforcer calibration device, charger kit with data / charging cradle, power supply and rechargeable batteries, USB to RS232 data cable, and sampling hose (30 ft. / 10 m). <i>Note: Calibration gas sold separately. Gas flow regulator not required for Enforcer use.</i>	2302B1445
Standard Impact Pro confined space kit - includes standard Impact case, Impact Pro multi-gas detector, one-year sensor cartridge (O ₂ , CH ₄ , CO, H ₂ S), data / charging cradle, power supply, charger kit and rechargeable batteries, USB to RS232 data cable, and sampling hose (30 ft. / 10 m). <i>Note: Calibration gas sold separately. Gas flow regulator not required for Enforcer use.</i>	2302B2040
Standard Impact Pro confined space kit - includes standard Impact case, Impact Pro multi-gas detector, two-year sensor cartridge (O ₂ , CH ₄ , CO, H ₂ S), data / charging cradle, power supply, charger kit and rechargeable batteries, USB to RS232 data cable, and sampling hose (30 ft. / 10 m). <i>Note: Calibration gas sold separately. Gas flow regulator not required for Enforcer use.</i>	2302B1446
Pelican brand field case for Impact, Enforcer, cylinder, Safelink or hose, and common accessories	2302D0694
Pelican brand field case for Impact and common accessories	2302D0693

Impact & Impact Pro (continued)

Carrying & Protective Accessories

	Order Number
Belt clip metal	P2302D0826
Webbing clip	P2302B0382
Body harness	P2302B0822

Sampling Equipment

	Order Number
Hand aspirator kit including inline filter	2302B0813
Pump adaptor kit including hose (7.9 in. / 20 cm) and inline filter	P2302B0814
4 part sampling probe (3 ft. / 1 m)	2302B0847
Sampling hose (30 ft. / 10 m) including inline adaptor	2302B0828
Ball float	2302B0846

Power & Datalogging Accessories

	Order Number
In-situ charging kit including base station, power supply unit/charger, NiMH batteries <i>Note: replace "X" with: 0 for UK, 1 for EU, 2 for US, 3 for SAA</i>	2302B141X
Offline charging kit including offline charger/power supply unit, NiMH batteries <i>Note: replace "X" with: 4 for UK, 5 for EU, 6 for US, 7 for SAA</i>	2302B141X
Universal AC multi-unit charger for Impact series includes adaptors for US, UK, Europe and Australia. Charges up to 5 units (not for the offline trickle charger).	2302D0787
Two (2) NiMH rechargeable battery packs - yellow	2302B2015
12-Volt In vehicle charger adaptor	2302D0815
Offline trickle charger (excludes power supply unit and NiMH batteries)	2302B0725
USA mains power supply unit 120V 60Hz	2302D0819
Base station (excludes power supply unit)	P2302B0800
Base station power supply unit link cable (connect multiple base stations)	2302D0821
RS232 to USB PC link cable (5.9 ft. / 1.8 m)	151-004-555
RS232 to RS232 Base station PC link cable	P2302D0807

Impact & Impact Pro (continued)



Safelink Confined-Space Communications

Connect two Impact Pro detectors together with Safelink. Gas readings and instrument status is repeated on the other unit. Coworkers can remotely monitor each other in confined spaces and exchange messages. Emergency assistance can easily be called by pressing and holding any button so that help is never far away.

Safelink	Order Number
Safelink cable including 2 x cable restraints (30 ft. / 10 m)	2302B0735
Safelink cable including 2 x cable restraints (328 ft. / 100 m)	2302B0746



Enforcer Bump Test / Calibration Kit

The Enforcer calibrates Impact multi-gas detectors fitted with oxygen, combustible, carbon monoxide and hydrogen sulfide sensors in less than two minutes — and can also perform low-level oxygen tests. Volumes and flow rates are minimized to allow approximately 200 calibrations per cylinder of gas, making calibration as low in cost as a bump test.

Enforcer	Order Number
Basic Enforcer with wall mounting plate and instructions label	2302B0650

Note: Calibration gas sold separately. Gas flow regulator not required for Enforcer use.

Impact & Impact Pro (continued)

Replacement Sensors	Order Number
Ammonia (NH ₃)	052-002-027-L2
Carbon dioxide (CO ₂) IR sensor (% Vol.)	2302B1083
Carbon dioxide (CO ₂) SureCell™	2125B1004
Carbon monoxide (CO)	2119B1001
Chlorine (Cl ₂)	2119B1002
Combustible (F)	2118B0106
Combustible IR sensor (% LEL)	2302B1081
Combustible IR sensor (% Vol.)	2302B1082
Hydrogen sulfide (H ₂ S)	2119B1000
Sulfur dioxide (SO ₂)	2112B2015R
Nitrogen dioxide (NO ₂)	AG200-800-PL
Toxic blank cell (kit of 10)	2302B0769
Zellox replacement oxygen (O ₂)	2115B4530

Replacement Filters & Parts	Order Number
Inline filter (kit of 10)	2302B0845
Impact pump seal/filter (kit of 10)	2302B1307
Impact grill filter (kit of 10)	2302B1308
Impact sounder seal/filter (kit of 10)	2302B1309
Dry cell battery holder - pair	2302B2016
Impact pump adaptor	2302B0809
Replacement pump and seal kit (including firmware upgrade and instructions)	2302B1091
Impact pump blank	2302B1310
Spare Impact flow adaptor assembly	P2302B0810
Front cover grill assembly	2302B2017
Replacement rubber communications port (kit of 10)	2302D0744K
Allen wrenches for Impact (Pro) (kit of 10)	2302B1384

Calibration & Testing Equipment

For calibration and testing equipment for this product, please see page 90.





GasAlertMicro5 Series

Multi-Gas (1–5) Detectors

VOCs, CO₂, LEL, H₂S, CO, O₂, SO₂, PH₃, NH₃, NO₂, HCN, Cl₂, ClO₂, O₃



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 CO₂ 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)* <i>*Based on a 5-gas instrument in diffusion mode at 68°F / 20°C</i>

Certifications and approvals



Class I, Div. 1, Gr. A, B, C, D



American Bureau of Shipping
(Toxic and PID models)

ATEX:

CE II 1 G

Ga Ex ia IIC T4

CE 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 Cl₂, NH₃, O₃, ClO₂ and PID sensor)

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GasAlertMicro 5 Series (continued)

GasAlertMicro 5 Detector

	Order Number
%LEL, O ₂ , H ₂ S, CO, SO ₂ - rechargeable battery, yellow housing	M5-XWSY-R-D-D-Y-N-00
%LEL, O ₂ , H ₂ S, CO, SO ₂ - rechargeable battery and pump, yellow housing	M5-XWSY-R-P-D-Y-N-00
%LEL, O ₂ , H ₂ S, CO, NH ₃ - rechargeable battery, yellow housing	M5-XWAY-R-D-D-Y-N-00
%LEL, O ₂ , H ₂ S, CO, NH ₃ - rechargeable battery and pump, yellow housing	M5-XWAY-R-P-D-Y-N-00
%LEL, O ₂ , H ₂ S, CO, Cl ₂ - rechargeable battery, yellow housing	M5-XWCY-R-D-D-Y-N-00
%LEL, O ₂ , H ₂ S, CO, Cl ₂ - rechargeable battery and pump, yellow housing	M5-XWCY-R-P-D-Y-N-00
%LEL, O ₂ , H ₂ S, CO - alkaline batteries and pump, yellow housing	M5-XW0Y-A-P-D-Y-N-00
%LEL, O ₂ , H ₂ S, CO - rechargeable battery, yellow housing	M5-XW0Y-R-D-D-Y-N-00
%LEL, O ₂ , H ₂ S, CO - rechargeable battery and pump, yellow housing	M5-XW0Y-R-P-D-Y-N-00
%LEL, O ₂ , H ₂ S, CO, SO ₂ - rechargeable battery, black housing	M5-XWSY-R-D-D-B-N-00
%LEL, O ₂ , H ₂ S, CO, SO ₂ - rechargeable battery and pump, black housing	M5-XWSY-R-P-D-B-N-00
%LEL, O ₂ , H ₂ S, CO, NH ₃ - rechargeable battery, black housing	M5-XWAY-R-D-D-B-N-00
%LEL, O ₂ , H ₂ S, CO, NH ₃ - rechargeable battery and pump, black housing	M5-XWAY-R-P-D-B-N-00
%LEL, O ₂ , H ₂ S, CO, Cl ₂ - rechargeable battery, black housing	M5-XWCY-R-D-D-B-N-00
%LEL, O ₂ , H ₂ S, CO, Cl ₂ - rechargeable battery and pump, black housing	M5-XWCY-R-P-D-B-N-00
%LEL, O ₂ , H ₂ S, CO - alkaline batteries and pump, black housing	M5-XW0Y-A-P-D-B-N-00
%LEL, O ₂ , H ₂ S, CO - rechargeable battery, black housing	M5-XW0Y-R-D-D-B-N-00
%LEL, O ₂ , H ₂ S, 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 ₂ S	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 Series (continued)

GasAlertMicro 5 Order Number Configurator

► Sensor - Toxic 2 None (dummy sensor) 0 CO and H ₂ S (Duo-Tox dual channel) Y H ₂ S (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		► Battery A Alkaline R Rechargeable battery pack and cradle charger	
► Sensor - Toxic 1 None (dummy sensor) 0 H ₂ S (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		► Sampling D Diffusion P Motorized sampling pump	
► Sensor - Combustible Gases None (dummy sensor) 0 %LEL (combustibles) W		► Datalogging D Datalogging monitor (with Fleet Manager II software)	
► Sensor - Oxygen None 0 O ₂ (oxygen) X		► Housing Y Yellow housing B Black housing	
► Base Unit Base unit M5		► 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 O₂, %LEL, Cl₂, H₂S 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. SO₂ and NH₃) 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/H₂S) 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

BW
 Technologies
 by Honeywell

GasAlertMicro 5 Series (continued)

GasAlertMicro 5 PID Detector

	Order Number
VOCs, %LEL, O ₂ , H ₂ S, CO - alkaline batteries and pump, yellow housing	M5PID-XWQY-A-P-D-Y-N-00
VOCs, %LEL, O ₂ , H ₂ S, 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 ₂ S, CO - alkaline batteries and pump, black housing	M5PID-XWQY-A-P-D-B-N-00
VOCs, %LEL, O ₂ , H ₂ S, 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 ₂ S	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 Series (continued)

GasAlertMicro 5 PID Order Number Configurator

► Sensor - Toxic 2 None (dummy sensor) 0 CO and H ₂ S (Duo-Tox dual channel) Y H ₂ S (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		► Battery A Alkaline R Rechargeable battery pack and cradle charger	
► Sensor - Toxic 1 None (dummy sensor) 0 PID (photoionization detector) for VOCs (volatile organic compounds) Q		► Sampling D Diffusion P Motorized sampling pump	
► Sensor - Combustible Gases None (dummy sensor) 0 %LEL (combustibles) W		► Datalogging D Datalogging monitor (with Fleet Manager II software)	
► Sensor - Oxygen None 0 O ₂ (oxygen) X		► Housing Y Yellow housing B Black housing	
► Base Unit Base unit M5PID		► 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 O₂, %LEL, VOCs, H₂S 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

www.gasmonitors.com
 info@gasmonitors.com

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

BW
 Technologies
 by Honeywell

GasAlertMicro 5 Series (continued)

GasAlertMicro 5 IR Detector

	Order Number
CO ₂ (IR), %LEL, O ₂ , H ₂ S, CO - rechargeable battery, yellow housing	M5IR-XWBY-R-D-Y-N-00
CO ₂ (IR), %LEL, O ₂ , H ₂ S, CO - rechargeable battery and pump, yellow housing	M5IR-XWBY-R-P-D-Y-N-00
CO ₂ (IR), %LEL, O ₂ , H ₂ S - rechargeable battery, yellow housing	M5IR-XWBH-R-D-D-Y-N-00
CO ₂ (IR), %LEL, O ₂ , H ₂ S - 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 ₂ S, CO - rechargeable battery, black housing	M5IR-XWBY-R-D-D-B-N-00
CO ₂ (IR), %LEL, O ₂ , H ₂ S, CO - rechargeable battery and pump, black housing	M5IR-XWBY-R-P-D-B-N-00
CO ₂ (IR), %LEL, O ₂ , H ₂ S - rechargeable battery, black housing	M5IR-XWBH-R-D-D-B-N-00
CO ₂ (IR), %LEL, O ₂ , H ₂ S - 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 ₂ S	Hydrogen sulfide (H)	O ₃	Ozone (G)



GasAlertMicro 5 IR
Diffusion version

GasAlertMicro 5 IR
Pump version

GasAlertMicro 5 Series (continued)

Confined Space Kits

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.

Order Number

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

GasAlertMicro 5 Series (continued)

Sampling & Testing Equipment	Order Number
Integral motorized pump kit - Yellow - Black <i>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</i>	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)

GasAlertMicro 5 Series (continued)

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 ₂ S)	D4-RHM04
Replacement hydrogen cyanide (HCN) sensor	PS-RZ10
Replacement hydrogen sulfide (H ₂ S) 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

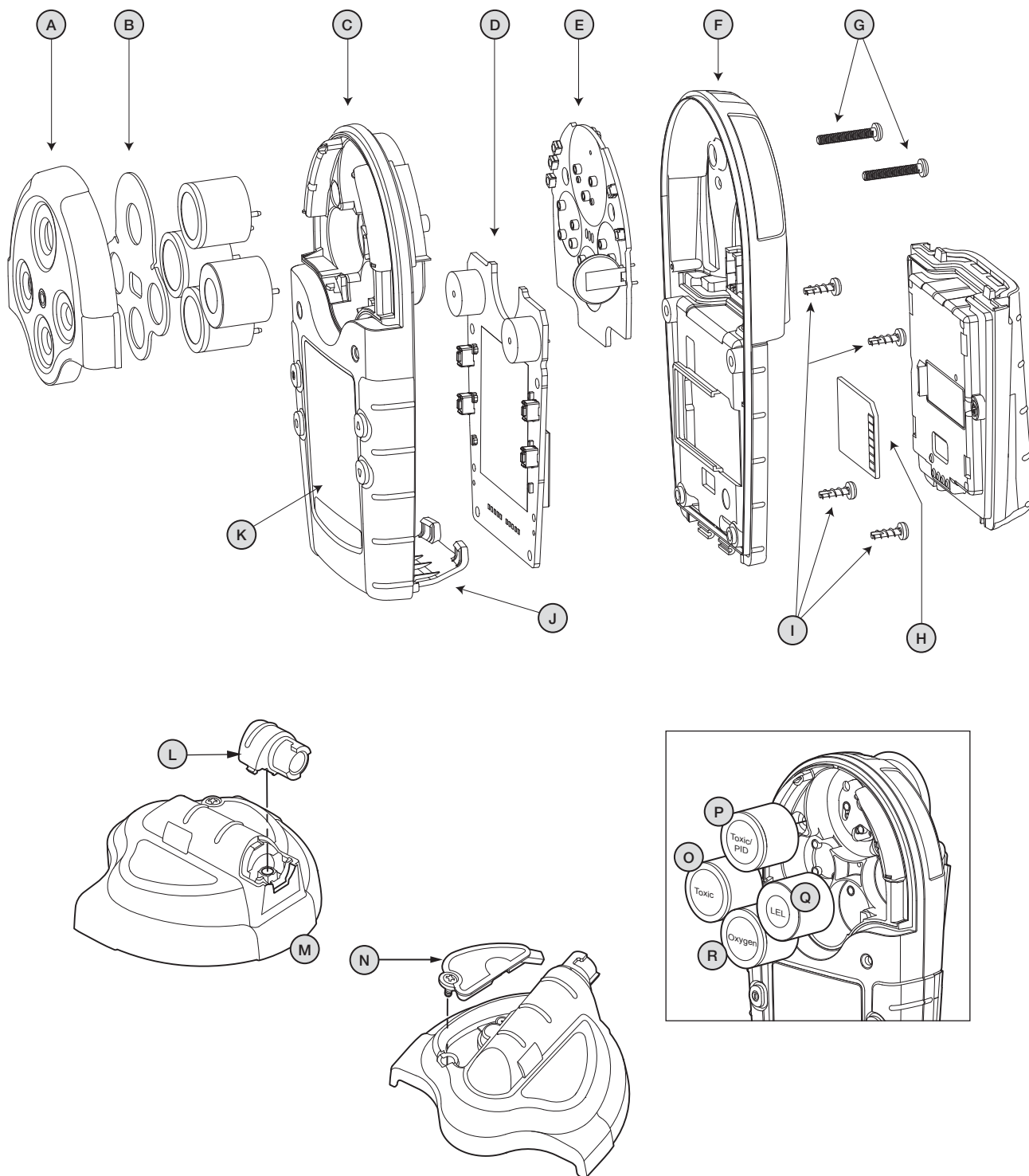


Replacement PID Sensor
SR-Q07



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.

GasAlertMicro 5 Series (continued)

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.

PhD6™ & IQ6™

Multi-Gas (1–6) Detector & Docking Station



VOCs, CO₂, LEL, H₂S, CO, O₂, SO₂, PH₃, NH₃, NO, NO₂, HCN, Cl₂, ClO₂, CH₄




The PhD6™ is a state-of-the-art six-gas detector and the most configurable gas detector in the IQ Management System with five sensor ports, up to six channels of detection, and 16 sensor options including electrochemical, LEL, PID and Infrared. The PhD6 is built to be reliable and sophisticated while maintaining the ease of use that you have come to expect. Day-to-day detector operations are controlled entirely through the mode button. A status bar on the display, with easy-to-recognize icons, gives the user immediate access to everything from time to calibration status. Built-in and easy-to-navigate menus give advanced users the ability to configure the detector in the field.

The IQ6™ Docking Station for the PhD6 multi-sensor gas detector is a fully automated bump test and calibration station that performs up to twelve critical operational procedures. It helps improve compliance and reduce labor and calibration gas costs. As part of the IQ Management System, the IQ6 Dock allows you to create a better gas detection program.



General Specifications

Size	6.6 x 3.1 x 2.5 in. / 16.8 x 7.9 x 6.4 cm (without pump)
	8.5 x 3.1 x 2.6 in. / 21.6 x 7.9 x 6.7 cm (with pump)
Weight	Alkaline (with 5 sensors):
	17.6 oz. / 499 g (without pump)
	22.4 oz. / 635 g (with pump)
	Rechargeable (with 5 sensors):
Typical battery life	16 oz. / 454 g (without pump)
	20.8 oz. / 590 g (with pump)
	Alkaline: 17 hours (@ 70°F/22°C)
	Rechargeable: 22 hours (@ 70°F/22°C)
	With PID and LEL sensors:
	Alkaline: 13 hours (@ 70°F/22°C)
Certifications and approvals	Rechargeable: 15½ hours (@ 70°F/22°C)
	With pump: subtract 4 to 6 hours from normal battery life
	SGS/USTC: Class I, Div. 1, Gr. A, B, C, D T3C
	Class II, Div. 1, Gr. E, F, G
	Class III
	 Class I, Div. 1, Gr. A, B, C, D T3C (does not include IR sensor)
Warranty	ATEX: (EPS) Ex ia d IIC 170C T3
	IECEX: Ex ia d IIC 170C T3
	CE: European Conformity
	Instrument: Two years (one year for battery and pump)
	Sensors: O ₂ , LEL, CO, CO+, H ₂ S and Duo-Tox: two years
	All other sensors: one year

HA6659-02-EN

Honeywell

PhD6™ & IQ6™

Multi-Gas Detector (1–6) & Docking Station

PhD6™ 6-Gas Detector	Rechargeable Version Order Number	Alkaline Version* Order Number
O ₂ , Duo-Tox (CO/H ₂ S), Cl ₂ , IR-CH ₄ , PID	54-53-A14185152NW	
O ₂ , Duo-Tox (CO/H ₂ S), Cl ₂ , NH ₃ , LEL	54-53-A14182180NW	
O ₂ , Duo-Tox (CO/H ₂ S), Cl ₂ , PID, LEL	54-53-A14185280NW	
O ₂ , Duo-Tox (CO/H ₂ S), Cl ₂ , SO ₂ , LEL	54-53-A14180380NW	54-53-A14180380AW
O ₂ , Duo-Tox (CO/H ₂ S), HCN, IR-CO ₂ , LEL	54-53-A14235080NW	
O ₂ , Duo-Tox (CO/H ₂ S), NH ₃ , HCN, LEL	54-53-A14212380NW	
O ₂ , Duo-Tox (CO/H ₂ S), NH ₃ , IR-CH ₄ , LEL	54-53-A14215180NW	
O ₂ , Duo-Tox (CO/H ₂ S), NH ₃ , IR-CH ₄ , PID	54-53-A14215152NW	
O ₂ , Duo-Tox (CO/H ₂ S), NH ₃ , IR-CO ₂ , LEL	54-53-A14215080NW	
O ₂ , Duo-Tox (CO/H ₂ S), NH ₃ , PID, LEL	54-53-A14215280NW	54-53-A14215280AW
O ₂ , HCN, Duo-Tox (CO/H ₂ S), PID, LEL	54-53-A10145280NW	
O ₂ , NO, Duo-Tox (CO/H ₂ S), IR-CO ₂ , LEL	54-53-A06145080NW	
O ₂ , NO, Duo-Tox (CO/H ₂ S), IR-CO ₂ , PID	54-53-A06145052NW	
O ₂ , NO ₂ , Duo-Tox (CO/H ₂ S), IR-CH ₄ , LEL	54-53-A09145180NW	
O ₂ , NO ₂ , Duo-Tox (CO/H ₂ S), IR-CO ₂ , LEL	54-53-A09145080NW	
O ₂ , NO ₂ , Duo-Tox (CO/H ₂ S), PID, LEL	54-53-A09145280NW	
O ₂ , PH ₃ , Duo-Tox (CO/H ₂ S), PID, LEL	54-53-A13145280NW	
O ₂ , SO ₂ , Duo-Tox (CO/H ₂ S), CO-H, LEL	54-53-A03141980NW	
O ₂ , SO ₂ , Duo-Tox (CO/H ₂ S), HCN, LEL	54-53-A03142380NW	
O ₂ , SO ₂ , Duo-Tox (CO/H ₂ S), IR-CH ₄ , PID	54-53-A03145152NW	
O ₂ , SO ₂ , Duo-Tox (CO/H ₂ S), IR-CO ₂ , LEL	54-53-A03145080NW	
O ₂ , SO ₂ , Duo-Tox (CO/H ₂ S), NH ₃ , LEL	54-53-A03142180NW	54-53-A03142180AW
O ₂ , SO ₂ , Duo-Tox (CO/H ₂ S), NO, IR-CO ₂	54-53-A03140650NW	
O ₂ , SO ₂ , Duo-Tox (CO/H ₂ S), NO, LEL	54-53-A03140680NW	
O ₂ , SO ₂ , Duo-Tox (CO/H ₂ S), NO, PID	54-53-A03140652NW	
O ₂ , SO ₂ , Duo-Tox (CO/H ₂ S), NO ₂ , LEL	54-53-A03140980NW	
O ₂ , SO ₂ , Duo-Tox (CO/H ₂ S), PID, LEL	54-53-A03145280NW	54-53-A03145280AW

*Note: If an alkaline version is required and is not available above, please order the alkaline battery pack (54-54-106) separately.

Note: The order numbers listed above include datalogging and vibrating alarm (option 'W'). For other configurations, please contact Honeywell Analytics.

Gas Legend

%LEL	Combustible (80)	NH ₃	Ammonia (21)	NO	Nitric oxide (06)
O ₂	Oxygen (A)	Cl ₂	Chlorine (18)	NO ₂	Nitrogen dioxide (09)
H ₂ S	Hydrogen sulfide (02)	ClO ₂	Chlorine dioxide (20)	PH ₃	Phosphine (13)
CO/H ₂ S	Duo-Tox (14)	HCN	Hydrogen cyanide (23)	SO ₂	Sulfur dioxide (03)
CO	Carbon monoxide (01)	CH ₄	Methane, IR (51)	CO ₂	Carbon dioxide, IR (50)
CO	Carbon monoxide, H ₂ resistant (CO-H) (19)				
VOCs	Volatle organic compounds, PID (52)				

PhD6™ & IQ6™ Docking Station (continued)

PhD6™ 5-Gas Detector	Rechargeable Version Order Number	Alkaline Version* Order Number
NO, Duo-Tox (CO/H ₂ S), NO ₂ , IR-CO ₂	54-53-B06140950NW	
NO ₂ , Duo-Tox (CO/H ₂ S), IR-CO ₂ , LEL	54-53-B09145080NW	
O ₂ , Cl ₂ , NH ₃ , PID, LEL	54-53-A18215280NW	
O ₂ , CO, Cl ₂ , H ₂ S, LEL	54-53-A01180280NW	
O ₂ , CO, Cl ₂ , H ₂ S, SO ₂	54-53-A01180203NW	
O ₂ , CO, Cl ₂ , PID, LEL	54-53-A01185280NW	
O ₂ , CO, H ₂ S, HCN, LEL	54-53-A01022380NW	
O ₂ , CO, H ₂ S, IR-CH ₄ , LEL	54-53-A01025180NW	
O ₂ , CO, H ₂ S, IR-CO ₂ , LEL	54-53-A01025080NW	
O ₂ , CO, H ₂ S, IR-CO ₂ , PID	54-53-A01025052NW	
O ₂ , CO, H ₂ S, NH ₃ , LEL	54-53-A01022180NW	54-53-A01022180AW
O ₂ , CO, H ₂ S, NO, LEL	54-53-A01020680NW	
O ₂ , CO, H ₂ S, NO ₂ , LEL	54-53-A01020980NW	
O ₂ , CO, H ₂ S, PH ₃ , LEL	54-53-A01021380NW	
O ₂ , CO, H ₂ S, PID, LEL	54-53-A01025280NW	54-53-A01025280AW
O ₂ , CO, H ₂ S, SO ₂ , LEL	54-53-A01020380NW	
O ₂ , CO, NH ₃ , IR-CO ₂ , LEL	54-53-A01215080NW	
O ₂ , CO, NH ₃ , PID, LEL	54-53-A01215280NW	
O ₂ , CO, NO, NO ₂ , LEL	54-53-A01060980NW	
O ₂ , CO, NO ₂ , IR-CO ₂ , LEL	54-53-A01095080NW	
O ₂ , CO, SO ₂ , NH ₃ , LEL	54-53-A01032180NW	
O ₂ , CO, SO ₂ , NO, LEL	54-53-A01030680NW	
O ₂ , CO, SO ₂ , NO ₂ , IR-CO ₂	54-53-A01030950NW	
O ₂ , CO, SO ₂ , NO ₂ , LEL	54-53-A01030980NW	
O ₂ , CO, SO ₂ , NO ₂ , PID	54-53-A01030952NW	
O ₂ , Duo-Tox (CO/H ₂ S), Cl ₂ , LEL	54-53-A14188000NW	
O ₂ , Duo-Tox (CO/H ₂ S), HCN, LEL	54-53-A14238000NW	
O ₂ , Duo-Tox (CO/H ₂ S), IR-CH ₄ , LEL	54-53-A14005180NW	
O ₂ , Duo-Tox (CO/H ₂ S), IR-CH ₄ , PID	54-53-A14005152NW	
O ₂ , Duo-Tox (CO/H ₂ S), IR-CO ₂ , LEL	54-53-A14005080NW	54-53-A14005080AW
O ₂ , Duo-Tox (CO/H ₂ S), NH ₃ , LEL	54-53-A14218000NW	54-53-A14218000AW
O ₂ , Duo-Tox (CO/H ₂ S), PID, LEL	54-53-A14005280NW	54-53-A14005280AW
O ₂ , H ₂ S, Cl ₂ , CO-H, LEL	54-53-A02181980NW	
O ₂ , H ₂ S, CO-H, IR-CO ₂ , LEL	54-53-A02195080NW	
O ₂ , H ₂ S, CO-H, NH ₃ , LEL	54-53-A02192180NW	
O ₂ , H ₂ S, CO-H, PID, LEL	54-53-A02195280NW	
O ₂ , H ₂ S, NH ₃ , SO ₂ , PID	54-53-A02210352NW	
O ₂ , H ₂ S, NO, IR-CO ₂ , LEL	54-53-A02065080NW	
O ₂ , H ₂ S, NO ₂ , CO-H, LEL	54-53-A02091980NW	
O ₂ , H ₂ S, SO ₂ , CO-H, LEL	54-53-A02031980NW	

(continued next page)

PhD6™ & IQ6™ Docking Station (continued)

PhD6™ 5-Gas Detector (continued)	Rechargeable Version Order Number	Alkaline Version* Order Number
O ₂ , H ₂ S, SO ₂ , NH ₃ , LEL	54-53-A02032180NW	
O ₂ , H ₂ S, SO ₂ , NH ₃ , PID	54-53-A02032152NW	
O ₂ , H ₂ S, SO ₂ , NO ₂ , HCN	54-53-A02030923NW	
O ₂ , H ₂ S, SO ₂ , PID, LEL	54-53-A02035280NW	
O ₂ , HCN, Duo-Tox (CO/H ₂ S), LEL	54-53-A10148000NW	
O ₂ , NO, Duo-Tox (CO/H ₂ S), LEL	54-53-A06148000NW	
O ₂ , NO, NO ₂ , IR-CO ₂ , LEL	54-53-A06095080NW	
O ₂ , NO, NO ₂ , NH ₃ , PID	54-53-A06092152NW	
O ₂ , NO ₂ , Cl ₂ , NH ₃ , LEL	54-53-A09182180NW	
O ₂ , NO ₂ , Duo-Tox (CO/H ₂ S), LEL	54-53-A09148000NW	
O ₂ , PH ₃ , Duo-Tox (CO/H ₂ S), LEL	54-53-A13148000NW	54-53-A13148000AW
O ₂ , PH ₃ , NH ₃ , HCN, IR-CO ₂	54-53-A13212350NW	
O ₂ , SO ₂ , Cl ₂ , CO-H, LEL	54-53-A03181980NW	
O ₂ , SO ₂ , Cl ₂ , IR-CO ₂ , LEL	54-53-A03185080NW	
O ₂ , SO ₂ , Cl ₂ , NO ₂ , NH ₃	54-53-A03180921NW	
O ₂ , SO ₂ , Cl ₂ , PID, LEL	54-53-A03185280NW	
O ₂ , SO ₂ , CO-H, NH ₃ , LEL	54-53-A03192180NW	
O ₂ , SO ₂ , Duo-Tox (CO/H ₂ S), LEL	54-53-A03148000NW	54-53-A03148000AW
O ₂ , SO ₂ , Duo-Tox (CO/H ₂ S), NH ₃	54-53-A03142100NW	
O ₂ , SO ₂ , NO, NO ₂ , CO-H	54-53-A03060919NW	
O ₂ , SO ₂ , NO ₂ , IR-CH ₄ , PID	54-53-A03095152NW	
O ₂ , SO ₂ , NO ₂ , PID, LEL	54-53-A03095280NW	

*Note: If an alkaline version is required and is not available above, please order the alkaline battery pack (54-54-106) separately.

Note: The order numbers listed above include datalogging and vibrating alarm (option 'W'). For other configurations, please contact Honeywell Analytics.

PhD6™ & IQ6™ Docking Station (continued)

PhD6™ 4-Gas Detector	Rechargeable Version Order Number	Alkaline Version* Order Number
CO, NO ₂ , IR-CO ₂ , LEL	54-53-B01095080NW	
CO, SO ₂ , NO ₂ , PID	54-53-B01030952NW	
Duo-Tox (CO/H ₂ S), NH ₃ , LEL	54-53-B14218000NW	
Duo-Tox (CO/H ₂ S), NH ₃ , PID	54-53-B14215200NW	
O ₂ , Cl ₂ , NH ₃ , LEL	54-53-A18218000NW	
O ₂ , CO, H ₂ S, IR-CH ₄	54-53-A01025100NW	
O ₂ , CO, H ₂ S, LEL	54-53-A01028000NW	54-53-A01028000AW
O ₂ , CO, HCN, LEL	54-53-A01108000NW	
O ₂ , CO, HCN, LEL	54-53-A01238000NW	
O ₂ , CO, HCN, PID	54-53-A01235200NW	
O ₂ , CO, IR-CH ₄ , PID	54-53-A01005152NW	
O ₂ , CO, IR-CO ₂ , LEL	54-53-A01005080NW	
O ₂ , CO, IR-CO ₂ , PID	54-53-A01005052NW	
O ₂ , CO, NH ₃ , LEL	54-53-A01218000NW	
O ₂ , CO, NO, IR-CO ₂	54-53-A01065000NW	
O ₂ , CO, NO, LEL	54-53-A01068000NW	
O ₂ , CO, NO ₂ , IR-CO ₂	54-53-A01095000NW	
O ₂ , CO, NO ₂ , LEL	54-53-A01098000NW	
O ₂ , CO, PH ₃ , PID	54-53-A01135200NW	
O ₂ , CO, PID, LEL	54-53-A01005280NW	54-53-A01005280AW
O ₂ , CO, SO ₂ , LEL	54-53-A01038000NW	
O ₂ , CO, SO ₂ , NH ₃	54-53-A01032100NW	
O ₂ , Duo-Tox (CO/H ₂ S), IR-CH ₄	54-53-A14005100NW	
O ₂ , Duo-Tox (CO/H ₂ S), LEL	54-53-A14008000NW	54-53-A14008000AW
O ₂ , H ₂ S, Cl ₂ , LEL	54-53-A02188000NW	
O ₂ , H ₂ S, CO-H, LEL	54-53-A02198000NW	
O ₂ , H ₂ S, HCN, LEL	54-53-A02108000NW	
O ₂ , H ₂ S, PID, LEL	54-53-A02005280NW	
O ₂ , H ₂ S, SO ₂ , IR-CH ₄	54-53-A02035100NW	
O ₂ , NH ₃ , HCN, LEL	54-53-A21238000NW	
O ₂ , PH ₃ , Duo-Tox (CO/H ₂ S)	54-53-A13140000NW	
PH ₃ , NH ₃ , HCN, IR-CO ₂	54-53-B13212350NW	
SO ₂ , Duo-Tox (CO/H ₂ S), LEL	54-53-B03148000NW	

*Note: If an alkaline version is required and is not available above, please order the alkaline battery pack (54-54-106) separately.

Note: The order numbers listed above include datalogging and vibrating alarm (option 'W'). For other configurations, please contact Honeywell Analytics.

PhD6™ & IQ6™ Docking Station (continued)

PhD6™ 3-Gas Detector	Rechargeable Version Order Number	Alkaline Version* Order Number
CO, H ₂ S, SO ₂	54-53-B01020300NW	
CO, IR-CO ₂ , PID	54-53-B01005052NW	
CO, NH ₃ , IR-CO ₂	54-53-B01215000NW	
CO, NO ₂ , IR-CO ₂	54-53-B01095000NW	
H ₂ S, IR-CO ₂ , LEL	54-53-B02005080NW	
H ₂ S, IR-CO ₂ , PID	54-53-B02005052NW	
NH ₃ , PID, LEL	54-53-B21005280NW	
NO ₂ , NH ₃ , HCN	54-53-B09212300NW	
O ₂ , Cl ₂ , LEL	54-53-A18008000NW	
O ₂ , Cl ₂ , PID	54-53-A18005200NW	
O ₂ , CO, IR-CH ₄	54-53-A01005100NW	
O ₂ , CO, IR-CO ₂	54-53-A01005000NW	
O ₂ , CO, LEL	54-53-A01008000NW	
O ₂ , CO, NO ₂	54-53-A01090000NW	
O ₂ , H ₂ S, IR-CH ₄	54-53-A02005100NW	
O ₂ , H ₂ S, NH ₃	54-53-A02210000NW	
O ₂ , IR-CO ₂ , LEL	54-53-A00005080NW	
O ₂ , IR-CO ₂ , PID	54-53-A00005052NW	
O ₂ , PH ₃ , PID	54-53-A13005200NW	
O ₂ , PID, LEL	54-53-A00005280NW	54-53-A00005280AW
O ₂ , SO ₂ , LEL	54-53-A03008000NW	

PhD6™ 2-Gas Detector	Rechargeable Version Order Number	Alkaline Version* Order Number
CO, HCN	54-53-B01230000NW	
CO, SO ₂	54-53-B01030000NW	
NO, NO ₂	54-53-B06090000NW	
O ₂ , CO	54-53-A01000000NW	
O ₂ , IR-CH ₄	54-53-A00005100NW	
O ₂ , IR-CO ₂	54-53-A00005000NW	
O ₂ , LEL	54-53-A00008000NW	
O ₂ , PID	54-53-A00005200NW	54-53-A00005200AW
PH ₃ , PID	54-53-B13005200NW	
SO ₂ , NH ₃	54-53-B03210000NW	

PhD6™ 1-Gas Detector	Rechargeable Version Order Number	Alkaline Version* Order Number
IR-CO ₂	54-53-B00005000NW	
PID	54-53-B00005200NW	54-53-B00005200AW

*Note: If an alkaline version is required and is not available above, please order the alkaline battery pack (54-54-106) separately.

Note: The order numbers listed above include datalogging and vibrating alarm (option 'W'). For other configurations, please contact Honeywell Analytics.

PhD6™ & IQ6™ Docking Station (continued)

Confined Space Kits	Order Number
PhD6 Case for Confined Space Kit (CSK) - Foam-lined, rugged, waterproof carrying case with room for one 58 L cylinder of calibration gas and a regulator. <i>Note: Detector, calibration gas and regulator sold separately.</i>	16-154
PhD6 Case for Value Pack. Foam-lined case, with room for one 34 L cylinder of calibration gas and a regulator. <i>Note: Detector, calibration gas and regulator sold separately.</i>	16-157
Carrying Accessories	Order Number
Shoulder strap	54-54-109
Sampling & Testing Equipment	Order Number
Motorized sampling pump kit with sampling hose (10 ft. / 3 m, 3/16 in. I.D., 5/16 in. O.D.) and sample probe assembly, for use with reactive gases	54-54-102-C
Motorized sampling pump kit with sampling hose (10 ft. / 3 m, 3/16 in. I.D., 5/16 in. O.D.) and sample probe assembly	54-54-102
Manual sample draw kit, includes probe, squeeze bulb, hose (10 ft. / 3 m, 3/16 in. I.D., 5/16 in. O.D.) and sample draw adaptor	54-54-105
Sample probe assembly <i>Note: Hose, squeeze bulb and calibration/test cap sold separately.</i>	54-05-A0403
Replacement filter kit for sample probe (54-05-A0403)	54-05-K0401
Sampling hose (10 ft. / 3 m, 3/16 in. I.D., 5/16 in. O.D.) <i>Note: Not for use with reactive gases.</i>	50113284-005
Sampling hose (50 ft. / 15 m, 3/16 in. I.D., 5/16 in. O.D.) <i>Note: Not for use with reactive gases.</i>	50113284-006
Calibration/sample draw cover	54-54-104



PhD6 Case for Confined Space Kit

54-54-102

Foam-lined, rugged, waterproof carrying case with room for one 58 L cylinder of calibration gas and a regulator.



Motorized Sampling Pump Kit

54-54-102

Includes sampling hose (10 ft. / 3 m) and sample probe assembly



PhD6 Case for Value Pack

54-54-102

Foam-lined case, with room for one 34 L cylinder of calibration gas and a regulator.



Sample Probe Assembly

54-05-A0403



Filter Kit for Sample Probe

54-05-K0401



Shoulder Strap

54-54-109



Calibration/Sample Draw Cover

54-54-104

PhD6™ & IQ6™ Docking Station (continued)

Power Accessories	Order Number
Alkaline battery pack	54-54-106
Rechargeable battery pack	54-54-107
Rechargeable battery charger	54-54-103-1
Vehicle charger (12 VDC), includes cigarette lighter style adaptor and mounting hardware	54-54-103-12

Datalogging Accessories	Order Number
Datalogger upgrade	54-54-0607
Infrared communication device (USB- IrDA, requires one available USB port)	54-26-0605U

IQ6™ Docking Station

Includes wall outlet power adaptor, international plug kit, IQ6 Pro Software, IQ System installation guide, PHD6 calibration and IQ6 quick setup guides, USB cable, hose, user manual and Database Manager user manual CD.

<p> FIDO calibration and IQ6 quick setup guides, SSD cable, HSSD, user manual and Database Manager user manual CD. </p>	Order Number
<p> IQ6 Docking Station 4-Ports with Ethernet for networking </p>	54-54-9400N

Replacement Part Kits	Order Number
Replacement front cover	PHD6-FC-1
Replacement back cover with screws	PHD6-BC-1
Sensor front cover	PHD6-SFC-1
Sensor filter (kit of 10)	PHD6-SFILTER
Sensor face gasket (non IR or PID) (kit of 10)	PHD6-SFG-1
Sensor face gasket (IR or PID) (kit of 10)	PHD6-SFG-2
Replacemet belt clip	PHD6-BCLIP-1
Replacement keypad kit	PHD6-KP-1
Replacement LCD kit	PHD6-LCD-1
Replacement main PCB	PHD6-MPCB-1
Insulator battery compartment (kit of 10)	PHD6-IBC-1
PCB connector kit	PHD6-PCBCONN-1
Replacement sensor interface PCBA	PHD6-SPCB-1
Rechargeable battery pack	PHD6-RBAT-1
Alkaline battery pack	PHD6-ABAT-1
Replacement screw kit (enough for 4 units)	PHD6-SCREW-1
Dummy sensor (kit of 5)	PHD6-DUMM
Pump filter replacement (kit of 10 filters)	PHD6-PFIL-1



Alkaline Battery Pack
54-54-106



Rechargeable Battery Pack
54-54-107

Rechargeable Battery Charger
54-54-103-1



Infrared Communication Device
54-26-0605U

PhD6™ & IQ6™ Docking Station (continued)

Replacement Sensors	Order Number
Replacement ammonia (NH ₃) sensor	54-54-21
Replacement carbon dioxide (IR-CO ₂) IR sensor	54-54-50
Replacement carbon monoxide (CO) sensor	54-54-01
Replacement carbon monoxide (CO-H) sensor, H ₂ resistant	54-54-19
Replacement chlorine (Cl ₂) sensor	54-54-18
Replacement chlorine dioxide (ClO ₂) sensor	54-54-20
Replacement combustible (LEL) sensor	54-54-80C
Replacement Duo-Tox (CO / H ₂ S) sensor	54-54-14
Replacement hydrogen cyanide (HCN) sensor	54-54-23
Replacement hydrogen sulfide (H ₂ S) sensor	54-54-02
Replacement methane (IR-CH ₄) IR sensor	54-54-51
Replacement nitric oxide (NO) sensor	54-54-06
Replacement nitrogen dioxide (NO ₂) sensor	54-54-09
Replacement oxygen (O ₂) sensor	54-54-90
Replacement phosphine (PH ₃) sensor	54-54-13
Replacement sulfur dioxide (SO ₂) sensor	54-54-03
Replacement volatile organic compounds (VOC) PID sensor	54-54-52
Replacement PID lamp kit	54-54-116
Replacement PID electrode stack kit	54-54-115
PID lamp cleaning kit	54-54-108

Calibration & Testing Equipment

For calibration and testing equipment for this product, please see page 91.



MicroMAX Pro

Multi-Gas (1–5) Detector

LEL, H₂S, CO, O₂, SO₂, NH₃, NO₂, Cl₂, ClO₂, HCN, PH₃, CH₄




Easy to use, reliable, high quality, economical and lightweight, the MicroMAX Pro has it all with a short response time and built-in data logging. The MicroMAX Pro is certified for explosive dust environments and has Voice Assist.

Standard Package Contents

- Detector configured for up to 5 gases
- AC four-hour fast charger
- NiMH rechargeable battery
- Alkaline battery adaptor
- Sampling hose (10 ft. / 3 m) with water trap and particulate filter
- High dust filter
- Rubber boot
- Belt clip
- Shoulder strap
- MRPO-LOG software
- Interface cable
- Instructions

General Specifications

Size	4.8 x 3.0 x 1.8 in. / 12.2 x 7.6 x 4.6 cm	
Weight	17.6 oz. / 499 g	
Typical battery life	NiMH:	13 hrs.
	Alkaline:	10 hrs.
Certifications and approvals		Class I, Div. 1 & 2, Groups A, B, C & D Class II, Groups E, F & G Class III* <i>*When used with four "AAA" 1.5 volt alkaline batteries, with holder (MPRO-BPA), or used with a 5 volt NiMH battery pack (MPRO-BPR)</i>
Warranty	Instrument: Lifetime (two years for battery and pump)	
	Sensors:	Two years (18 months for Cl ₂ , ClO ₂ , HCN; 12 months for NH ₃)

H_MicroMAX Pro-DS_V4 2/08

Honeywell

MicroMAX Pro (continued)

Standard 4-Gas Detector

	Order Number
MicroMAX Pro pre-configured for 4 gases: O ₂ , %LEL, CO and H ₂ S	MPRO-4ABCD

Special Configurations

To generate an order number for a specific MicroMAX Pro configuration:

$$\text{Order Number} = \text{Section A} + \text{Section B} + \text{Section C}$$

For example, the order number for a MicroMAX Pro configured for 5 gases (O₂, LEL, SO₂ and CO/H₂S) with US plug type would be MPRO-5ABHM.

A. Base Gas Detector

	Order Number
Base MicroMAX Pro configured for 5 gases (Duo-Tox plus 3 other gases)	MPRO-5
Base MicroMAX Pro configured for 4 gases	MPRO-4
Base MicroMAX Pro configured for 3 gases	MPRO-3
Base MicroMAX Pro configured for 2 gases (O ₂ and LEL only)	MPRO-2AB

B. Gas Sensors (choose up to 4 sensors in alphabetical order)

	Order Number
Oxygen (O ₂)	A
Combustible (LEL)	B
Carbon monoxide (CO)	C
Hydrogen sulfide (H ₂ S)	D
Ammonia (NH ₃)	E
Chlorine (Cl ₂)	F
Sulfur dioxide (SO ₂)	H
Phosphine (PH ₃)	J
Nitrogen dioxide (NO ₂)	K
Hydrogen cyanide (HCN)	L
Duo-Tox (CO / H ₂ S) - (counts as 2 gases)	M
Combustible (% Vol.)	N
Combustible (LEL) heavy hydrocarbon	P

C. Charging Options

	Order Number
120 V _{AC} , 60 Hz - US style (standard supply)	-
220 V _{AC} , 50 Hz - Euro style	2
220 V _{AC} , 50 Hz - UK style	3

This table illustrates the allowable gas / sensor configurations for the 4 available positions in the MicroMAX Pro. When ordering, place the sensor selections in alphabetical order.

Example: MPRO-5ABFM – MicroMAX Pro configured for 5 gases: oxygen (O₂), LEL, chlorine (Cl₂), carbon monoxide (CO) and hydrogen sulfide (H₂S)

Sensor 1	Sensor 2	Sensor 3	Sensor 4
A	B	C	C
	N	D	D
	F	E	E
		F	F
		H	H
		J	J
		K	K
		L	L
		M	M

MicroMAX Pro (continued)

Accessories	Order Number
Sampling hose assembly with water trap and dust filter (10 ft. / 3 m)	16-27
Dilution tube sampling hose, 50:50 ratio (10 ft. / 3 m)	MAX-DT
Sampling hose extension with fittings (10 ft. / 3 m)	16HEX-10
Sampling hose extension with fittings (20 ft. / 6.1 m)	16HEX-20
Sampling hose material, clear (order in ft. lengths)	GFV107
Water and dust filter assembly (4 in. / 10 cm) with water trap and particulate filter	16-21
Dust filter assembly (1 in. / 2.5 cm) with particulate filter	16PFC
Water trap filter (replacement disc water trap used on sampling hose)	GFV196
Dust filter (replacement porous stone filter used on sampling hose)	20HFC
Sampling hose fitting (female - connects sampling hose to instrument)	GFV195
Sample probe, carbon fiber (3 ft. / 1 m)	GSR-02

Chargers and Batteries	Order Number
120 Volt AC charger (4-5 hour recharge rate)	MPRO-1
NiMH battery pack	MPRO-BPR
Alkaline battery adaptor assembly	MPRO-BPA

Instrument Cases, Carrying Cases	Order Number
Instrument and accessories carrying case (water resistant)	MCC210A
Instrument and accessories and calibration kit carrying case (high impact)	MCC215A

Sensor Replacements	Order Number
Ammonia (NH ₃) sensor	MAX-NH
Carbon monoxide (CO) sensor	MAX-CS-S
Chlorine (Cl ₂) sensor	MPRO-CL
Combustible (% Vol.) sensor thermo conduct	MPRO-TCS
Combustible (LEL, CH ₄) sensor (3 pin)	MPRO-ES-F
Duo-Tox - hydrogen sulfide and carbon monoxide (H ₂ S / CO) sensor	MAX-TOX
Heavy hydrocarbon (LEL) (3 pin)	MPRO-ES-P
Hydrogen cyanide (HCN) sensor	MAX-HCN-K
Hydrogen sulfide (H ₂ S) sensor	MAX-HS-S
Nitrogen dioxide (NO ₂) sensor	MPRO-NO2
Oxygen (O ₂) sensor high performance (4 Series)	MPRO-O2
Phosphine (PH ₃) sensor	MAX-PS
Sulfur dioxide (SO ₂) sensor	MAX-SS

Miscellaneous Parts	Order Number
MicroMAX Pro overview and training DVD	MPRO-VID

Calibration & Testing Equipment
For calibration and testing equipment for this product, please see page 90.

Notes

Sampling Equipment

SamplerPak 76*

Sampling Accessories 78*

**For BW Technologies by Honeywell portable
gas detectors only.*



Sampling Equipment

SamplerPak 76*

Sampling Accessories 78*

**For BW Technologies by Honeywell portable
gas detectors only.*



SamplerPak

External Motorized Sampling Pump



For BW Technologies by Honeywell brand portable gas detectors only





Reliability plus flexibility

Designed for use with BW single and multi-gas detectors, the BW Sampler is a motorized pump that provides remote sample draws for many applications, including pre-entry and/or continuous confined space work. Add an extra degree of safety to your work by simply attaching the pump to your detector and activate.

Standard Package Contents

- Sampler motorized pump
- Coiled hose (7 ft. / 2 m uncoiled)
- Sampling hose (10 ft. / 3 m)
- Sampling tube with barbed fitting (10 in. / 25 cm)
- Two AA alkaline batteries
- Hard-sided carrying case
- Manual
- Multi-language CD manual

General Specifications

Size	7.4 x 1.3 x 2.1 in. / 18.8 x 3.35 x 5.4 cm
Weight	6.2 oz. / 175 g
Sample flow rate	300 ml/min. (typical)
Sample distance	50 ft. / 15.2 m
Typical battery life	30 hours with 2 AA alkaline batteries or 2 AA NiMH rechargeable batteries
Certifications and approvals	<div>  Class I, Div. 1, Gr. A, B, C, D  American Bureau of Shipping IECEX: Ex ia IIC T4* <i>*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.</i> </div>
Warranty	Full two year warranty

5303-4



SamplerPak

External Motorized Sampling Pump

For BW Technologies by Honeywell brand portable gas detectors

SamplerPak Kits

	Order Number
SamplerPak motorized sampling pump kit with alkaline batteries	GA-SPAK
Deluxe SamplerPak motorized sampling pump kit with alkaline batteries, rechargeable batteries and battery charger	GA-SPAK-NA

Note: SamplerPak is not compatible with O₃, ETO, ClO₂, HCN or Cl₂.

Sampling Accessories

	Order Number
Collapsible sample probe (3.3 ft. / 1 m, 1/8 in. I.D., 1/4 in. O.D.)	SP-CPROB1
Collapsible sample probe (14 ft. / 4.3 m, 1/8 in. I.D., 1/4 in. O.D.)	SP-CPROB1-14
Sample probe (1 ft. / 0.3 m) for Sampler	SP-T1-2
Metallic sintered particulate filter	GA-MFILTER
Replacement Sampler motorized sampling pump	GA-SP01

Carrying Accessories and Replacements

	Order Number
Replacement carrying case with foam for SamplerPak portable kits	SPAK-CC1

Service Parts

	Order Number
Replacement coiled connector hose for Sampler (1/8 in. I.D., 3/16 in. O.D.)	SP-CT-1
Replacement pump gaskets for Sampler (kit of 5)	SP-GK-1
Replacement plastic fitting for Sampler/instrument hose (kit of 5)	SP-HF-1
Replacement Sampler pump filters (kit of 5)	SP-PF-1

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.



SamplerPak

GA-SPAK

Motorized sampling pump kit



Pump Filters

SP-PF-1



SamplerPak with Battery Kit

GA-SPAK-NA

Motorized sampling pump kit with alkaline batteries, rechargeable batteries and battery charger



Coiled Hose

SP-CT-1

Sampling Accessories

For BW Technologies by Honeywell brand portable gas detectors:

- GasAlertClip Extreme
- GasAlertMicroClip XT
- GasAlertMax XT II
- GasAlert Extreme
- GasAlertQuattro
- GasAlertMicro 5 Series



For BW Technologies by Honeywell brand portable gas detectors

Manual Aspirator Pumps	Order Number
Manual aspirator pump kit with sampling hose (10 ft./ 3 m, 1/8 in. I.D., 1/4 in. O.D.) <i>Note: no instrument adaptors or probes included.</i>	D4-AS01
Manual aspirator pump kit with probe (1 ft. / 0.3 m) <i>Compatible with GasAlert Extreme and GasAlertMicro 5 Series.</i>	GA-AS02
Manual aspirator pump kit with probe (1 ft. / 0.3 m) <i>Compatible with GasAlertQuattro.</i>	QT-AS01
Manual aspirator pump kit with probe (1 ft. / 0.3 m) <i>Compatible with GasAlertMicroClip XT.</i>	MC-AS01

Sampling Hose Kits	Order Number
Sampling hose (10 ft. / 3 m, 1/8 in. I.D., 1/4 in. O.D.) kit - with connectors and 3 particulate filters	HOSE1-10
Sampling hose (20 ft. / 6.1 m, 1/8 in. I.D., 1/4 in. O.D.) kit - with connectors and 3 particulate filters	HOSE1-20
Sampling hose (65 ft. / 19.8 m, 1/8 in. I.D., 1/4 in. O.D.) kit - with connectors and 3 particulate filters	HOSE1-65
Sampling hose (75 ft. / 22.8 m, 1/8 in. I.D., 1/4 in. O.D.) kit - with connectors and 3 particulate filters <i>Compatible with GasAlertMax XT II only.</i>	HOSE1-75
Sampling hose (10 ft. / 3 m, 1/8 in. I.D., 1/4 in. O.D.) kit - Teflon® lined, for use with reactive gases- with connectors and 3 particulate filters	HOSE2-10
Sampling hose (20 ft. / 6.1 m, 1/8 in. I.D., 1/4 in. O.D.) kit - Teflon® lined, for use with reactive gases - with connectors and 3 particulate filters	HOSE2-20
Sampling hose (65 ft. / 19.8 m, 1/8 in. I.D., 1/4 in. O.D.) kit - Teflon® lined, for use with reactive gases - with connectors and 3 particulate filters	HOSE2-65
Sampling hose (75 ft. / 22.8 m, 1/8 in. I.D., 1/4 in. O.D.) kit - Teflon® lined, for use with reactive gases - with connectors and 3 particulate filters <i>Compatible with GasAlertMax XT II only.</i>	HOSE2-75

Note: Check the user manual supplied with your product for maximum sampling distances.



Manual Aspirator Pump GA-AS02

For remote sampling with the GasAlert Extreme and the GasAlertMicro 5 Series detectors; complete with probe, hose and aspirator pump



Sampling Hose HOSE1-10/20/65/75

Sampling hose with connectors and 3 particulate filters; available in 10 ft. (3 m), 20 ft. (6.1 m), 65 ft. (19.8 m) and 75 ft. (22.8 m) lengths



Manual Aspirator Pump QT-AS01

For GasAlertQuattro remote sampling; complete with probe, hose, aspirator pump and adaptor cap



Manual Aspirator Pump MC-AS01

For GasAlertMicroClip XT remote sampling; complete with probe, hose, aspirator pump and adaptor cap



Sampling Accessories (continued)

For BW Technologies by Honeywell brand portable gas detectors

• GasAlertClip Extreme
• GasAlert Extreme

• GasAlertMicroClip XT
• GasAlertQuattro

• GasAlertMax XT II
• GasAlertMicro 5 Series

Sampling Probes	Order Number
Sample probe (1 ft. / 0.3 m) with hydrophobic and particulate filters	GA-PROB1-1
Filter and gasket replacements for sample probe (GA-PROB1-1)	GA-PROB-FIL-K1
BW syringe filter replacements for sample probe (GA-PROB1-1)	GA-SFIL
BW syringe filter (kit of 20) replacements for sample probe (GA-PROB1-1)	GA-SFIL-K1
Replacement particulate filter for GA-PROB1-1 (kit of 25)	GA-PROB-PFIL-K25
Collapsible aluminum sample probe with handle (3.3 ft. / 1 m), Tygon hose (1/8 in. I.D., 1/4 in. O.D.)	GA-CPROB1
Collapsible aluminum sample probe with handle (6 ft. / 1.8 m), Tygon hose (1/8 in. I.D., 1/4 in. O.D.)	GA-CPROB2

Carrying Accessories and Replacements	Order Number
Metallic sintered particulate filter	GA-MFILTER
Quick connect fitting spares for hoses (kit of 2)	M0931K
Sampling float	GA-FLOAT
Hydrophobic filter replacement with male connector for manual aspirator pumps	D4-WT-1
Water trap with barbed connectors	WT-2



Sample Probe
GA-PROB1-1



Particulate Filter
GA-MFILTER
Metallic sintered filter



Quick Connect Fittings
M0931K



Sample Probe Filter and Gasket Replacements
GA-PROB-FIL-K1



Sampling Float
GA-FLOAT
Ensure no liquid uptake when sampling; two buoys elevate hose inlet above liquid surface.



Syringe Filter Replacement
GA-SFIL



Particulate Filter Replacements
GA-PROB-PFIL-K25
For GA-PROB1-1, kit of 25



Collapsible Probe
GA-CPROB1 / GA-CPROB2
Available in two probe lengths

Notes

Docking, Testing and Data Management

<i>MicroDock II*</i>	82
<i>IQ Express™ for ToxiPro®</i>	86
<i>IQ Dock for IQ Force™</i>	86
<i>IQ Express™ for MultiPro™</i>	86
<i>IQ6™ for PhD6™</i>	86
<i>IQ Management System</i>	88

**For BW Technologies by Honeywell portable gas detectors only.*



Docking, Testing and Data Management

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<i>IQ Express™ for ToxiPro®</i>	86
<i>IQ Dock for IQ Force™</i>	86
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<i>IQ6™ for PhD6™</i>	86
<i>IQ Management System</i>	88

**For BW Technologies by Honeywell portable gas detectors only.*



MicroDock II

Automatic Test and Calibration Station



For BW Technologies by Honeywell brand portable gas detectors only




Cost effective calibration and bump test management

The MicroDock II is an easy, cost-effective way to bump-test, calibrate, charge and manage records for BW portable gas detectors. With Fleet Manager II software, download information faster than ever from the MicroDock II. Improved functionality allows you to create accurate and user-friendly reports, print receipts of calibration, sort and graph data, archive information and manage your fleet of detectors. Compliance has never been easier.

Function	GasAlertClip Extreme	GasAlert Extreme	GasAlertMicroClip XT	GasAlertQuattro	GasAlertMax XT II	GasAlertMicro 5 Series
Bump check	•	•	•	•	•	•
Calibrate		•	•	•	•	•
Configure		•	•	•	•	•
Download Events	•	•	•	•	•	
Download Data		•	•	•	•	
Charging			•	•	•	•
Non-Charging	•	•				•

General Specifications

Size	8.3 x 10.4 x 3.2 in. / 21.2 x 26.3 x 8.2 cm (base station plus one docking module)
Power Supply	6V wall adaptor or four C-cell batteries
External interface	USB 2.0 interface for PC (USB 2.0 full speed)
Pump	DC motor, micro-diaphragm; 6V PCB mount Flow rate 300 ml/min. (typically)
Solenoid	Built-in (docking modules)
Command Keys	Base station - Menu navigation Docking module - One touch bump-test initiation - One touch calibration initiation - One touch data transfer (specific products)
LED indicators	Yellow "TEST", Green "PASS", Red "FAIL"
Certifications and approvals	 Ordinary Location approved IEC 61010 / C22.2 No. 61010 CE: European Conformity
Warranty	Full two year warranty

5396-14



MicroDock II

Automatic Test and Calibration Station

For BW Technologies by Honeywell brand portable gas detectors only

Module Configuration	Order Number
Base station with GasAlertClip Extreme H ₂ S module and 2 inlets	DOCK2-2-1E-00-G
Base station with GasAlertClip Extreme CO module and 2 inlets	DOCK2-2-1G-00-G
Base station with GasAlertClip Extreme SO ₂ module and 2 inlets	DOCK2-2-1F-00-G
Base station with GasAlertClip Extreme O ₂ module and 2 inlets	DOCK2-2-1H-00-G
Base station with GasAlert Extreme module and 2 inlets*	DOCK2-2-1D-00-G
Base station with GasAlertMicroClip XT module (charging) with power supply and 2 inlets	DOCK2-2-1C1P-00-G
Base station with GasAlertMicroClip XT module (charging) with no power supply and 2 inlets	DOCK2-2-1P-00-G
Base station with GasAlertQuattro module (charging) with no power supply and 2 inlets	DOCK2-2-1N-00-G
Base station with GasAlertQuattro module (charging) with power supply and 2 inlets	DOCK2-2-1C1N-00-G
Base station with GasAlertMax XT II module (charging) with power supply and 2 inlets	DOCK2-2-1C1M-00-G
Base station with GasAlertMax XT II module (charging) with no power supply and 2 inlets	DOCK2-2-1M-00-G
Base station with GasAlertMicro 5 Series module (charging) with power supply and 2 inlets*	DOCK2-2-1C1K-00-G
Base station with GasAlertMicro 5 Series module (charging) with power supply and 3 inlets*	DOCK2-3-1C1K-00-G
Base station with GasAlertMicro 5 Series module (non-charging) with 2 inlets*	DOCK2-2-1J-00-G
Base station with GasAlertMicro 5 Series module (non-charging) with 3 inlets*	DOCK2-3-1J-00-G

Accessory Docking Modules	Order Number
Base station with 2 gas inlets without power supply	DOCK2-2-00-G
Base station with 3 gas inlets without power supply	DOCK2-3-00-G
Base station with 4 gas inlets without power supply	DOCK2-4-00-G
Base station with 5 gas inlets without power supply	DOCK2-5-00-G
GasAlertClip Extreme H ₂ S docking module	DOCK2-0-1E-00-G
GasAlertClip Extreme CO docking module	DOCK2-0-1G-00-G
GasAlertClip Extreme SO ₂ docking module	DOCK2-0-1F-00-G
GasAlertClip Extreme O ₂ docking module	DOCK2-0-1H-00-G
GasAlert Extreme docking module*	DOCK2-0-1D-00-G
GasAlertMicroClip XT docking module (charging with power supply)	DOCK2-0-1C1P-00-G
GasAlertMicroClip XT docking module (charging - no power supply)	DOCK2-0-1P-00-G
GasAlertQuattro docking module (charging - no power supply)	DOCK2-0-1N-00-G
GasAlertQuattro docking module (charging with power supply)	DOCK2-0-1C1N-00-G
GasAlertMax XT II / GasAlertMax XT docking module (charging with power supply)	DOCK2-0-1C1M-00-G
GasAlertMax XT II / GasAlertMax XT docking module (charging - no power supply)	DOCK2-0-1M-00-G
GasAlertMicro 5 Series docking module (charging with power supply)*	DOCK2-0-1C1K-00-G
GasAlertMicro 5 Series docking module (charging)*	DOCK2-0-1K-00-G
GasAlertMicro 5 Series docking module*	DOCK2-0-1J-00-G

*Not compatible with ClO₂ or O₃.

Note: Listed above are commonly ordered instrument configurations. To create a custom MicroDock II system, use the configurator table on the next page or contact Honeywell Analytics for a copy of the electronic order number configurator. One demand flow regulator must be ordered separately for each gas cylinder used with the system. Systems with one or more charging modules require one additional charging power supply (separate from the base station power supply).

MicroDock II (continued)

For BW Technologies by Honeywell brand portable gas detectors only



MicroDock II Order Number Configurator

Base Station	
DOCK2	Base station (with power supply)
Inlet Configuration	
2	1 fresh air, 1 calibration
3	1 fresh air, 2 calibration
4	1 fresh air, 3 calibration
5	1 fresh air, 4 calibration
Note: One Demand Flow Regulator must be ordered separately for each bottle of gas to be used with MicroDock II.	
Docking Module Configuration	
Choose up to any 6 docking modules in any combination (e.g. "-1C1E2K3P-")	
Qty/Code	Description
1 C	Charging power supply (required for any charging module(s) selected)
__ D	GasAlert Extreme module(s)*
__ E	GasAlertClip Extreme H ₂ S module(s)
__ F	GasAlertClip Extreme SO ₂ module(s)
__ G	GasAlertClip Extreme CO module(s)
__ H	GasAlertClip Extreme O ₂ module(s)
__ J	GasAlertMicro 5 Series module(s) without charging*
__ K	GasAlertMicro 5 Series module(s) with charging*
__ M	GasAlertMax XT II module(s) with charging
__ N	GasAlertQuattro module(s) with charging
__ P	GasAlertMicroClip XT module(s) with charging
*Not compatible with ClO ₂ or O ₃ .	
Portable Kit Configuration	
Choose your portable kit option. Gas sold separately.	
00	No kit. Base station and docking module(s) only.
Hard Case Kits — Holds 1 base station, 1 docking module and a 34 L cylinder of calibration gas	
01	Kit with 1 DFR (demand flow regulator), no gas
Heavy Duty Case Kits — Holds 1 base station, 1-3 docking module(s) and 1-3 58 L cylinder(s) of calibration gas in a foam-lined, waterproof heavy-duty case	
03	Kit with 1 DFR, no gas

DOCK2

9

For example, the order number for a MicroDock II configured with base station, 2 inlets, 1 additional power supply for charging modules, 1 GasAlertClip Extreme H₂S module, 2 GasAlertMicro 5 Series charging modules, 3 GasAlertMicroClip XT modules and no portable kit option would be DOCK2-2-1C1E2K3P-00-G.

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

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 info@gasmonitors.com

BW
 Technologies
 by Honeywell



MicroDock II (continued)

For BW Technologies by Honeywell brand portable gas detectors only

Accessories and Spares

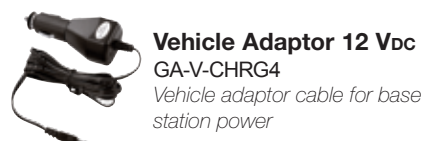
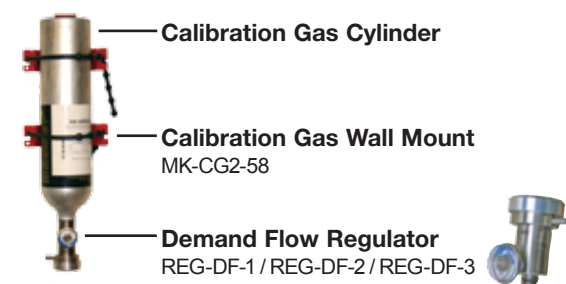
	Order Number
USB memory card reader	CR-MMC-USB1
Network USB communication device	DOCK2-LAN-1P
Demand flow regulator	REG-DF-1
Demand flow regulator for refillable cylinders, CGA connector	REG-DF-2
Demand flow regulator for disposable steel cylinders	REG-DF-3
Wall mount adaptor (kit of 2) modules and base station	WMA-DOCK
12 Vdc Vehicle adaptor cable for base station power	GA-V-CHRG4
Replacement power supply for charging modules	POWER-UPS-01

Service Parts

	Order Number
Heavy duty carrying case with wheels with space for three modules and three 58 L gas cylinders	DOCK2-CC2
Hard-sided carrying case with space for one module and one 34 L gas cylinder	DOCK2-CC1
Replacement diffusion cover adaptor	DOCK2-DA-1
Replacement GasAlertMicro 5 Series docking module lid assembly	DOCK2-M5LID
Replacement inlet filter	DOCK-IF-1
Replacement multimedia card	DOCK2-MMC
Replacement rubber grommet for GasAlertMax XT II docking module inlet slider	XT-RGD-10
Replacement rubber seal for GasAlertMax XT II docking module inlet slider	XT-RSD-10

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.

Note: For calibration gas and regulators for this product, please see pages 86-89.



Hard Case Kit

Use the configurator table on the left page to create a custom MicroDock II hard case kit (gas sold separately)

Heavy Duty Case Kit

Use the configurator table on the left page to create a custom MicroDock II heavy duty case kit (gas sold separately)



IQ Docks

For Honeywell Analytics branded portable gas detectors:

- ToxiPro®
- MultiPro™
- IQ Force™
- PhD6™



For Honeywell Analytics brand portable gas detectors only



Function	ToxiPro® IQ Express™ Docking Station	IQ Force™ Docking Station	MultiPro™ IQ Express™ Docking Station	IQ6™ Docking Station
Bump check	•	•	•	•
Calibrate	•	•	•	•
Configure	•	•	•	•
Download Events	•	•	•	•
Download Data	•	•	•	•
Charging		•	•	•

ToxiPro® IQ Express™ Docking Station

Includes wall outlet power adaptor, international plug kit, ToxiPro IQ and IQ Express Software, IQ System installation guide, USB cable, hose, user manual and Database Manager user manual CD.

Order Number

IQ Express Docking Station, enhanced version with Ethernet for networking

54-46-9100N

IQ Express Docking Station, enhanced version (USB only)

54-46-9100

IQ Force™ Docking Station

Includes wall outlet power adaptor, IQ Force and dock software, USB cable, hose and user manual CD.

Order Number

IQ Force Dock, stand-alone with Ethernet for networking (North American plug type)

IQ-DOCK

IQ Force Dock, stand-alone with Ethernet for networking (universal - includes all plug types)

IQ-DOCK-G

MultiPro™ IQ Express™ Docking Station

Includes wall outlet power adaptor, international plug kit, MultiPro IQ Software, IQ System installation guide, USB cable, hose, user manual and Database Manager user manual CD.

Order Number

MultiPro IQ Express Docking Station

54-49-9000

MultiPro IQ Express Docking Station, with Ethernet for networking

54-49-9000N

IQ6™ Docking Station

Includes wall outlet power adaptor, international plug kit, IQ6 Pro Software, IQ System installation guide, PHD6 calibration and IQ6 quick setup guides, USB cable, hose, user manual and Database Manager user manual CD.

Order Number

IQ6 Docking Station 4-Ports with Ethernet for networking

54-54-9400N

Honeywell



IQ Docks

For Honeywell Analytics branded portable gas detectors:

- ToxiPro®
- MultiPro™
- IQ Force™
- Phd6™

For Honeywell Analytics brand portable gas detectors only

IQ Docks Spares & Replacements

Order Number

Replacement filter (kit of 10)	DOCK-FIL-10
Hose kit for ToxiPro IQ Express Docking Station (1/8 in. I.D converted to 3/16 in. I.D., 5/16 in. O.D.)	TPDOCK-TUBE
Gas manifold for ToxiPro IQ Express Docking Station	54-46-115
Supplied fresh air manifold for ToxiPro IQ Express Docking Station	54-46-116
Hose kit for IQ Force Docking Station (1/8 in. I.D., 1/4 in. O.D.) (can be used with MultiPro, will stretch to 3/16 in. I.D. for use with demand flow regulator)	IQFDOCK-TUBE
Pump insert for MultiPro IQ Express Docking Station	35-0662
Hose kit for IQ6 Docking Station (1/8 in. I.D converted to 3/16 in. I.D., 5/16 in. O.D.)	PHD6DOCK-TUBE
Replacement communication adaptor for IQ6 Docking Station	PHD6DOCK-COMM
Replacement pump gasket (kit of 10) for IQ6 Docking Station	PHD6DOCK-PG-10



**Gas Manifold for
ToxiPro® IQ Express™ Docking Station**
54-46-115



**Supplied Fresh Air Manifold for
ToxiPro® IQ Express™ Docking Station**
54-46-116



IQ Management System

Simplified, Flexible Management of Safety Data



Cut and Control Costs

- Reduce time and money spent storing, analyzing and reporting information
- Sensor health check provides information to improve preventative maintenance

Improve Performance

- Automated system monitors the health of your gas safety program continuously
- Docks on network feed one database, which you completely control
- Docks on network automatically update with new software versions
- Easy to operate — no buttons to press, no switches to pull

Automate Safety and Compliance

- Automated “Contractor Lockout” mode protects and secures your equipment
- Automated alarm configuration template for new instruments saves you time
- Automatic calibration if bump test fails ensures safety of your crew

IQ Management System puts safety back in your hands. You're in control, you direct the show.

Meeting compliance standards for your gas detection program can be costly and time-consuming. Manual report generation takes extra time, data analysis can be difficult and bump and calibration testing drive up the cost of calibration gas and labor.

IQ Management System puts you in command by providing you with the data you want and can use rather than slowing you down with excess information you don't need. Just drop the instrument in the dock and let IQ Management System do the work. Using IQ Management System allows you to configure and customize reports and analyses rather than conform to a “one size fits all” model.

Trending Intelligence >

Alarm/Event Notification >

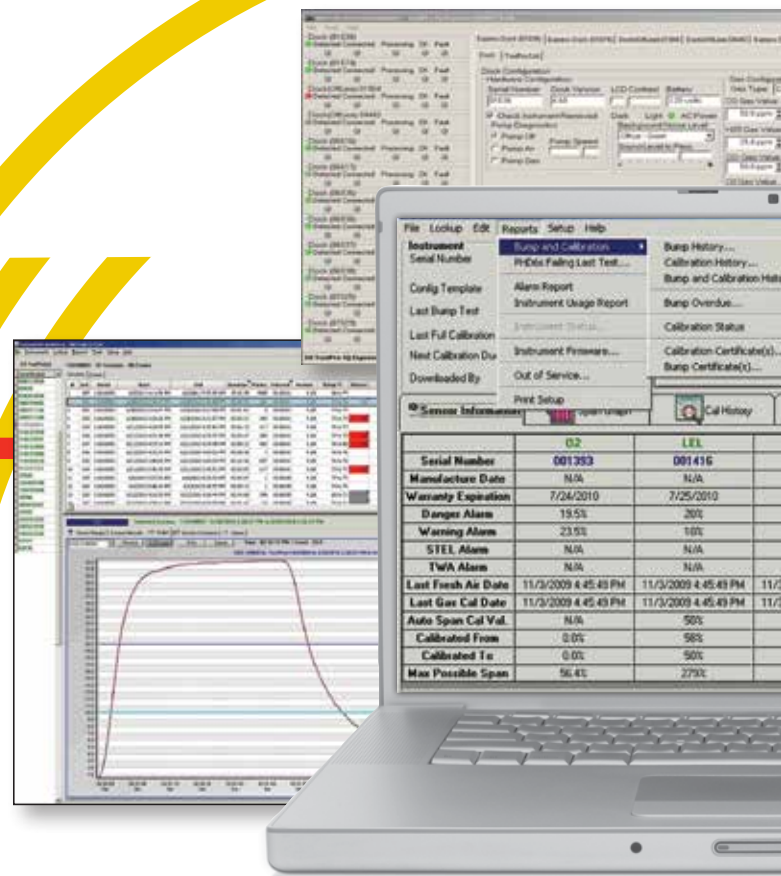
Automated Bump Test/Calibration >

Safety Compliance >

Preventative Maintenance >

Visit www.yoursafetyprogram.com
for more information about
IQ Management System.

Honeywell



IQ Management System allows you to view instrument and database info and dock status in 'real' time. You can pull historical information from the system to develop custom analyses, trends and reports that put you in control of your safety program.

IQ Management System

Simplified, Flexible Management of Safety Data

Take command of instrument data.

Through the networkable dock and system software, you obtain full visibility to information on detector performance, compliance and trending including:

- Alarms
- Gas exposure levels
- Safety incident history
- Sensor health status
- Calibration and bump test results
- Cal gas consumption
- Battery usage
- Dock station data
- Full alarm function testing (audio, visual, vibration)
- Security settings
- And other instrument details

Best of all, IQ Management System is automated rather than manual, so it's easy to use. And it works for you in many ways. Receive automatic emails with configured alarm levels. Increase security through password protection. Increase the productivity of your workforce by having instruments automatically ready to use at shift changes.

Reduce downtime and calibration costs.

With IQ Management System, downtime is reduced as auto calibration is finished in two minutes versus 3-5 minutes and bump testing now takes 22 seconds versus approximately two minutes per instrument when completed manually. You can reduce the expense of calibration gas to your company by more than 60% annually with the use of IQ Management System.

Ethernet Network

PhD6™ Six-Gas Detector and IQ6™ Dock

- Value-packed PhD6 monitors six gases simultaneously; optional PID and IR sensors monitor VOCs and CO₂
- Fully automated bump test and calibration station performs up to twelve critical tests
- Comes standard with two configurable gas ports; four-port model is available
- Connects to PC via USB or Ethernet WAN to download data

IQ Force™ Four-Gas Detector and IQ Force Dock

- Efficient IQ Force monitors O₂, LEL, CO and H₂S
- Fully automated bump test and calibration station performs up to twelve critical operational procedures, including battery voltage check
- Connects to PC via USB or Ethernet to download data
- Can connect up to four IQ Force stations to a single gas supply
- Get the right information to the right people with the IQ Force's remote emailing feature
- Enhanced sensor technology means fewer false alarms for users
- Visual compliance made easy with SafetyFlash

ToxiPro® Single-Gas Detector and IQ Express™ Dock

- ToxiPro is field-replaceable
- Fully automated bump test and calibration station performs up to eight critical tests
- Connects to PC via USB or Ethernet WAN to download data
- Can connect up to four IQ Express stations to a single gas supply
- Link each detector to a person and have the knowledge to keep people safe



Notes



Calibration Equipment

Group A	92
(GasAlertClip Extreme, GasAlert Extreme, GasAlertMicroClip XT, GasAlertQuattro, IQ Force™, GasAlertMax XT II, GasAlertMicro 5 Series)	
Group B	96
(MicroMAX Pro, Impact / Impact Pro)	
Group C	97
(ToxiPro®, MultiPro™, PhD6™)	

Calibration Equipment

Group A..... 92

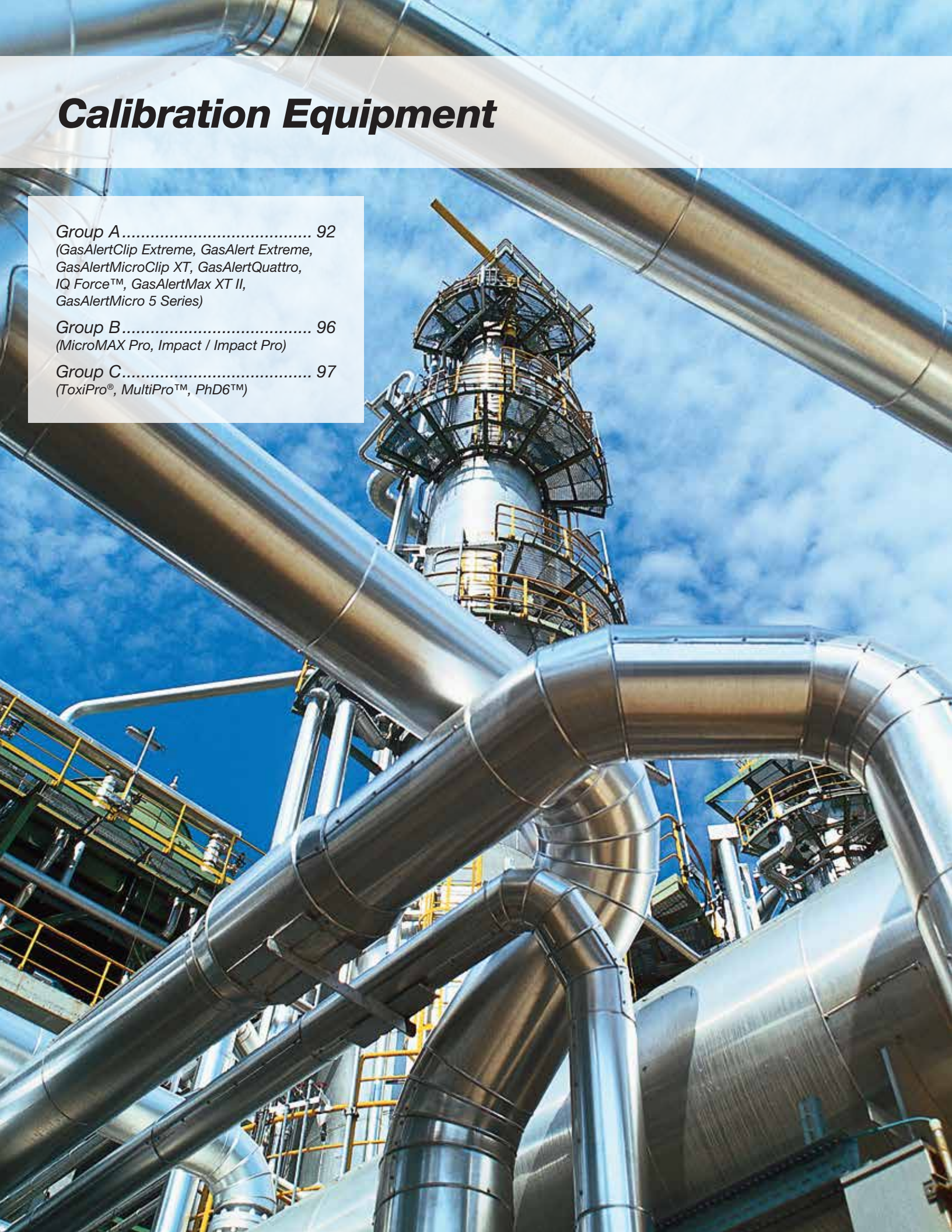
(GasAlertClip Extreme, GasAlert Extreme,
GasAlertMicroClip XT, GasAlertQuattro,
IQ Force™, GasAlertMax XT II,
GasAlertMicro 5 Series)

Group B..... 96

(MicroMAX Pro, Impact / Impact Pro)

Group C..... 97

(ToxiPro®, MultiPro™, PhD6™)



Calibration Equipment (Group A)

- GasAlertClip Extreme
- GasAlert Extreme
- GasAlertMicroClip XT
- GasAlertQuattro
- IQ Force™
- GasAlertMax XT II
- GasAlertMicro 5 Series



Quint Gas Cylinders (5-gas mix)	Cylinder Material	Regulator	Balance	Liters	Order Number
CH ₄ (2.5%), O ₂ (18.0%), H ₂ S (25 ppm), CO (100 ppm), CO ₂ (0.5%)	Aluminum	REG-DF-1 or REG-0.5	N ₂	34	CG-QT34-1
CH ₄ (2.5%), O ₂ (18.0%), H ₂ S (25 ppm), CO (100 ppm), CO ₂ (0.5%)	Aluminum	REG-DF-1 or REG-0.5	N ₂	58	CG-QT58-1

Quad Gas Cylinders (4-gas mix)	Cylinder Material	Regulator	Balance	Liters	Order Number
CH ₄ (2.5%), O ₂ (18.0%), H ₂ S (25 ppm), CO (100 ppm)	Aluminum	REG-DF-1 or REG-0.5	N ₂	34	CG-Q34-4
CH ₄ (2.5%), O ₂ (18.0%), H ₂ S (25 ppm), CO (100 ppm)	Aluminum	REG-DF-1 or REG-0.5	N ₂	58	CG-Q58-4
CH ₄ (2.5%), O ₂ (20.9%), H ₂ S (25 ppm), CO (100 ppm)	Aluminum	REG-DF-1 or REG-0.5	N ₂	34	CG-Q34
CH ₄ (2.5%), O ₂ (20.9%), H ₂ S (25 ppm), CO (100 ppm)	Aluminum	REG-DF-1 or REG-0.5	N ₂	58	CG-Q58
CH ₄ (1.25% / 50% LEL , pentane equivalent), O ₂ (18.0%), H ₂ S (25 ppm), CO (100 ppm)	Aluminum	REG-DF-1 or REG-0.5	N ₂	34	CG-Q34-4JK
CH ₄ (1.25% / 50% LEL , pentane equivalent), O ₂ (18.0%), H ₂ S (25 ppm), CO (100 ppm)	Aluminum	REG-DF-1 or REG-0.5	N ₂	58	CG-Q58-4JK

Triple Gas Cylinders (3-gas mixes)	Cylinder Material	Regulator	Balance	Liters	Order Number
CO (100 ppm), CH ₄ (2.5% LEL), O ₂ (18.0%)	Steel	REG-DF-3 or REG2-0.5	N ₂	34	CG-TR34-1
CO (100 ppm), CH ₄ (2.5% LEL), O ₂ (18.0%)	Steel	REG-DF-1 or REG-0.5	N ₂	103	CG-TR103-1
H ₂ S (25 ppm), CH ₄ (2.5% LEL), O ₂ (19.0%)	Aluminum	REG-DF-1 or REG-0.5	N ₂	58	CG-JXH

Dual Gas Cylinders (2-gas mix)	Cylinder Material	Regulator	Balance	Liters	Order Number
CH ₄ (2.5% / 50% LEL), O ₂ (18.0%)	Aluminum	REG-DF-1 or REG-0.5	N ₂	58	CG2-JX-58

Note: Regulators sold separately. For ClO₂ and O₃ gas options, please contact Honeywell Analytics Service.



Calibration Equipment (Group A)

- GasAlertClip Extreme
- GasAlert Extreme
- GasAlertMicroClip XT

- GasAlertQuattro
- IQ Force™
- GasAlertMax XT II
- GasAlertMicro 5 Series

Single Gas Cylinders	Cylinder Material	Regulator	Balance	Liters	Order Number
Ammonia (NH ₃ , 100 ppm)	Aluminum	REG-DF-1 or REG-1.0	N ₂	58	CG2-A-100-58
Ammonia (NH ₃ , 50 ppm)	Aluminum	REG-DF-1 or REG-1.0	Air	34	CG2-A-50-34
Ammonia (NH ₃ , 50 ppm)	Aluminum	REG-DF-1 or REG-1.0	N ₂	58	CG2-A-50-58
Carbon dioxide (CO ₂ , 1.0% v. / 10,000 ppm)	Steel	REG-DF-3 or REG2-0.5	N ₂	34	CG2-B-10K-34
Carbon monoxide (CO, 100 ppm)	Steel	REG-DF-3 or REG2-0.5	N ₂	34	CG2-M-100-34
Carbon monoxide (CO, 100 ppm)	Aluminum	REG-DF-1 or REG-0.5	N ₂	58	CG2-M-100-58
Carbon monoxide (CO, 100 ppm)	Aluminum	REG-DF-1 or REG-0.5	N ₂	103	CG2-M-100-103
Chlorine (Cl ₂ , 10 ppm)	Aluminum	REG-DF-1 or REG-1.0	N ₂	34	CG2-C-10-34
Chlorine (Cl ₂ , 2 ppm)	Aluminum	REG-DF-1 or REG-1.0	N ₂	34	CG2-C-2-34
Chlorine (Cl ₂ , 5 ppm)	Aluminum	REG-DF-1 or REG-1.0	N ₂	34	CG2-C-5-34
Chlorine (Cl ₂ , 5 ppm)	Aluminum	REG-DF-1 or REG-1.0	N ₂	58	CG2-C-5-58
Ethylene oxide (ETO / C ₂ H ₄ O, 10 ppm)	Aluminum	REG-DF-1 or REG-1.0	N ₂	58	CG2-E-10-58
Hydrogen (H ₂ , 2.0 %)	Steel	REG-DF-1 or REG-0.5	Air	103	CG2-F-2.0-103
Hydrogen chloride (HCl, 10 ppm)	Aluminum	REG-DF-1 or REG-0.5	N ₂	58	CG2-L-10
Hydrogen cyanide (HCN, 10 ppm)	Aluminum	REG-DF-1 or REG-0.5	N ₂	34	CG2-Z-10-34
Hydrogen cyanide (HCN, 10 ppm)	Aluminum	REG-DF-1 or REG-0.5	N ₂	58	CG2-Z-10-58
Hydrogen sulfide (H ₂ S, 25 ppm)	Aluminum	REG-DF-1 or REG-0.5	N ₂	34	CG2-H-25-34
Hydrogen sulfide (H ₂ S, 25 ppm)	Aluminum	REG-DF-1 or REG-0.5	Air	58	CG3-H-25-58
Hydrogen sulfide (H ₂ S, 25 ppm)	Aluminum	REG-DF-1 or REG-0.5	N ₂	58	G0042-H25
Hydrogen sulfide (H ₂ S, 50 ppm)	Aluminum	REG-DF-1 or REG-0.5	N ₂	58	CG2-H-50-58

Note: Regulators sold separately. For ClO₂ and O₃ gas options, please contact Honeywell Analytics Service.

Calibration Equipment (Group A)

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Single Gas Cylinders (cont'd)	Cylinder Material	Regulator	Balance	Liters	Order Number
Isobutylene (100 ppm)	Aluminum	REG-DF-1 or REG-0.5	Air	34	CG2-IB-100-34AL
Isobutylene (100 ppm)	Aluminum	REG-DF-1 or REG-0.5	Air	58	CG2-IB-100-58AL
Methane (CH ₄ , 2.5% v. / 50% LEL)	Steel	REG-DF-3 or REG2-0.5	Air	34	CG2-J-2.5-34
Methane (CH ₄ , 2.5% v. / 50% LEL)	Aluminum	REG-DF-1 or REG-0.5	Air	34	CG2-J-2.5-34AL
Methane (CH ₄ , 2.5% v. / 50% LEL)	Aluminum	REG-DF-1 or REG-0.5	Air	58	CG2-J-2.5-58
Methane (CH ₄ , 2.5% v. / 50% LEL)	Steel	REG-DF-1 or REG-0.5	Air	103	CG2-J-2.5
Nitric oxide (NO, 50 ppm)	Aluminum	REG-DF-1 or REG-0.5	N ₂	34	CG2-N-50-34
Nitrogen dioxide (NO ₂ , 10 ppm)	Aluminum	REG-DF-1 or REG-1.0	Air	34	CG2-D-10-34
Nitrogen dioxide (NO ₂ , 25 ppm)	Aluminum	REG-DF-1 or REG-1.0	Air	34	CG2-D-25-34
Oxygen (O ₂ , 18.0%)	Steel	REG-DF-3 or REG2-0.5	N ₂	34	CG2-X-18.0-34
Pentane (C ₅ H ₁₂ , 0.75% v. / 50% LEL)	Steel	REG-DF-3 or REG2-0.5	Air	34	CG2-K-0.75-34
Phosphine (PH ₃ , 1 ppm)	Aluminum	REG-DF-1 or REG-0.5	N ₂	34	CG2-P-1-34
Propane (C ₃ H ₈ , 1.0% v. / 50% LEL)	Steel	REG-DF-3 or REG2-0.5	Air	34	CG2-R-1.0-34
Sulfur dioxide (SO ₂ , 10 ppm)	Aluminum	REG-DF-1 or REG-0.5	N ₂	34	CG2-S-10-34
Sulfur dioxide (SO ₂ , 10 ppm)	Aluminum	REG-DF-1 or REG-0.5	N ₂	58	CG2-S-10-58
Sulfur dioxide (SO ₂ , 20 ppm)	Aluminum	REG-DF-1 or REG-0.5	N ₂	34	CG2-S-20-34
Sulfur dioxide (SO ₂ , 20 ppm)	Aluminum	REG-DF-1 or REG-0.5	N ₂	58	CG2-S-20-58
Sulfur dioxide (SO ₂ , 25 ppm)	Aluminum	REG-DF-1 or REG-0.5	N ₂	58	CG2-S-25
Nitrogen gas (100% N ₂)	Steel	REG-DF-3 or REG2-0.5	-	34	CG-G0043-N2-34
Zero air	Steel	REG-DF-3 or REG2-0.5	-	34	CG-ZERO-34
Zero air	Steel	REG-DF-1 or REG-0.5	-	103	CG-ZERO

Note: Regulators sold separately. For ClO₂ and O₃ gas options, please contact Honeywell Analytics Service.



Calibration Equipment (Group A)

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- GasAlert Extreme
- GasAlertMicroClip XT

- GasAlertQuattro
- IQ Force™
- GasAlertMax XT II
- GasAlertMicro 5 Series

Test Gases

Note: Not compatible with IQ Force.

	Cylinder Material	Balance	Liters	Order Number
Bump alarm test gas aerosol H ₂ S (25 ppm)	Aluminum	N ₂	11	CG-BUMP-H25
Bump alarm test gas aerosol CO (100 ppm)	Aluminum	N ₂	11	CG-BUMP-M100
Bump alarm test gas aerosol H ₂ S (40 ppm), CO (200 ppm), CH ₄ (2.5%), O ₂ (10%)	Aluminum	N ₂	11	CG-BUMP1
Spare balloon assembly kit with hose (1/8 in. I.D., 3/16 in. O.D.) and adaptor for bump gas	-	-	-	CG-BUMP-B-K
Spare balloons for bump gas (kit of 10)	-	-	-	CG-BUMP-B

Note: Test gases are used for qualitative functional testing of sensors and alarms only. Test gases cannot be used as calibration gases.

Calibration Hoses

Note: Not compatible with IQ Force. See IQ Force product pages for hose options.

	Order Number
Calibration hose, Tygon (1 ft. / 0.3 m, 1/8 in. I.D., 1/4 in. O.D.)	C2-HOSE1-1
Calibration hose, Tygon (5 ft. / 1.5 m, 1/8 in. I.D., 1/4 in. O.D.)	C2-HOSE1-5
Calibration hose, Tygon (10 ft. / 3 m, 1/8 in. I.D., 1/4 in. O.D.)	C2-HOSE1-10
Connector fitting for Teflon®-lined hose (C2-HOSE4-1)	C2-CF-HOSE4

Regulators and Accessories

	Order Number
Calibration gas regulator (0.5 LPM)	REG-0.5
Calibration gas regulator (0.5 LPM)	REG2-0.5
Calibration gas regulator (1.0 LPM)	REG-1.0
Demand flow regulator for disposable cylinders	REG-DF-1
Demand flow regulator for refillable cylinders, CGA connector	REG-DF-2
Demand flow regulator for disposable steel cylinders	REG-DF-3
Recycle kit for calibration gas cylinders	CG-RK-1
Wall mount (adjustable) for 34, 58, 103 L gas cylinders, red	MK-CG2-58
58 L or 34 L calibration cylinder blue carrying case	CK2-CASE1

Note: MicroDock II requires a REG-DF-1. Aerosols do not require regulators.

Calibration Equipment (Group B)

• MicroMAX Pro

• Impact/Impact Pro



Quad Gas Cylinders (4-gas mix)

Order Number

Methane (CH₄, 2.2% Vol.), carbon monoxide (CO, 100 ppm), hydrogen sulfide (H₂S, 40 ppm), oxygen (O₂, 15% Vol.), in nitrogen (N₂), 34 L (North America)

2302D0833

Methane (CH₄) (50% LEL), carbon monoxide (CO) (50 ppm), hydrogen sulfide (H₂S) (25 ppm), oxygen (O₂) (34 L)

GFV243

Note: Regulators sold separately. For ClO₂ gas options, please contact Honeywell Analytics Service.

Single Gas Cylinders

Order Number

Carbon dioxide (CO₂, 2.5% v., 103 L)

N600 1001 38

Regulators

Order Number

Demand flow regulator

REG-DF-1



Calibration Equipment (Group C)

• ToxiPro®

• MultiPro™

• PhD6™

Multi-Gas Cylinders	Balance	Liters	Shelf Life	For Use With	Order Number
O ₂ (18.0%), LEL (propane equivalent CH ₄ , 50%), CO (50 ppm), H ₂ S (25 ppm)	N ₂	34	1 year	MultiPro, PhD6	54-9049E
O ₂ (18.0%), LEL (CH ₄ , 50%), CO (50 ppm), H ₂ S (25 ppm)	N ₂	58	1 year	MultiPro, PhD6	54-9043
O ₂ (18.0%), LEL (propane equivalent CH ₄ , 50%), CO (50 ppm), H ₂ S (25 ppm)	N ₂	58	1 year	MultiPro, PhD6	54-9044E
O ₂ (18.0%), LEL (propane equivalent CH ₄ , 50%), CO (50 ppm)	N ₂	34	5 years	MultiPro, PhD6	54-9045E
<i>Note: Cylinder requires regulator 12-022 and is non-dock compatible.</i>					
O ₂ (18.0%), LEL (CH ₄ , 50%), CO (50 ppm)	N ₂	103	5 years	MultiPro, PhD6	54-9041
O ₂ (18.0%), LEL (propane equivalent CH ₄ , 50%), CO (50 ppm)	N ₂	103	5 years	MultiPro, PhD6	54-9042E

Note: Regulators sold separately. For ClO₂ gas options, please contact Honeywell Analytics Service.

Single Gas Cylinders	Balance	Liters	Shelf Life	For Use With	Order Number
Carbon monoxide (CO, 50 ppm), Oxygen (O ₂ , 18.0%)	N ₂	34	5 years	ToxiPro, PhD6	54-9036
<i>Note: Cylinder requires regulator 12-022 and is non-dock compatible.</i>					
Carbon monoxide (CO, 50 ppm), Oxygen (O ₂ , 18.0%)	N ₂	103	5 years	ToxiPro, PhD6	54-9033
Chlorine (Cl ₂ , 10 ppm)	N ₂	58	9 months	ToxiPro, PhD6	54-9076
Hydrogen sulfide (H ₂ S, 25 ppm)	N ₂	58	1 year	ToxiPro, PhD6	54-9034

Regulators	Order Number
Calibration gas regulator (1.0 LPM)	12-023
Demand flow regulator	12-061

Notes

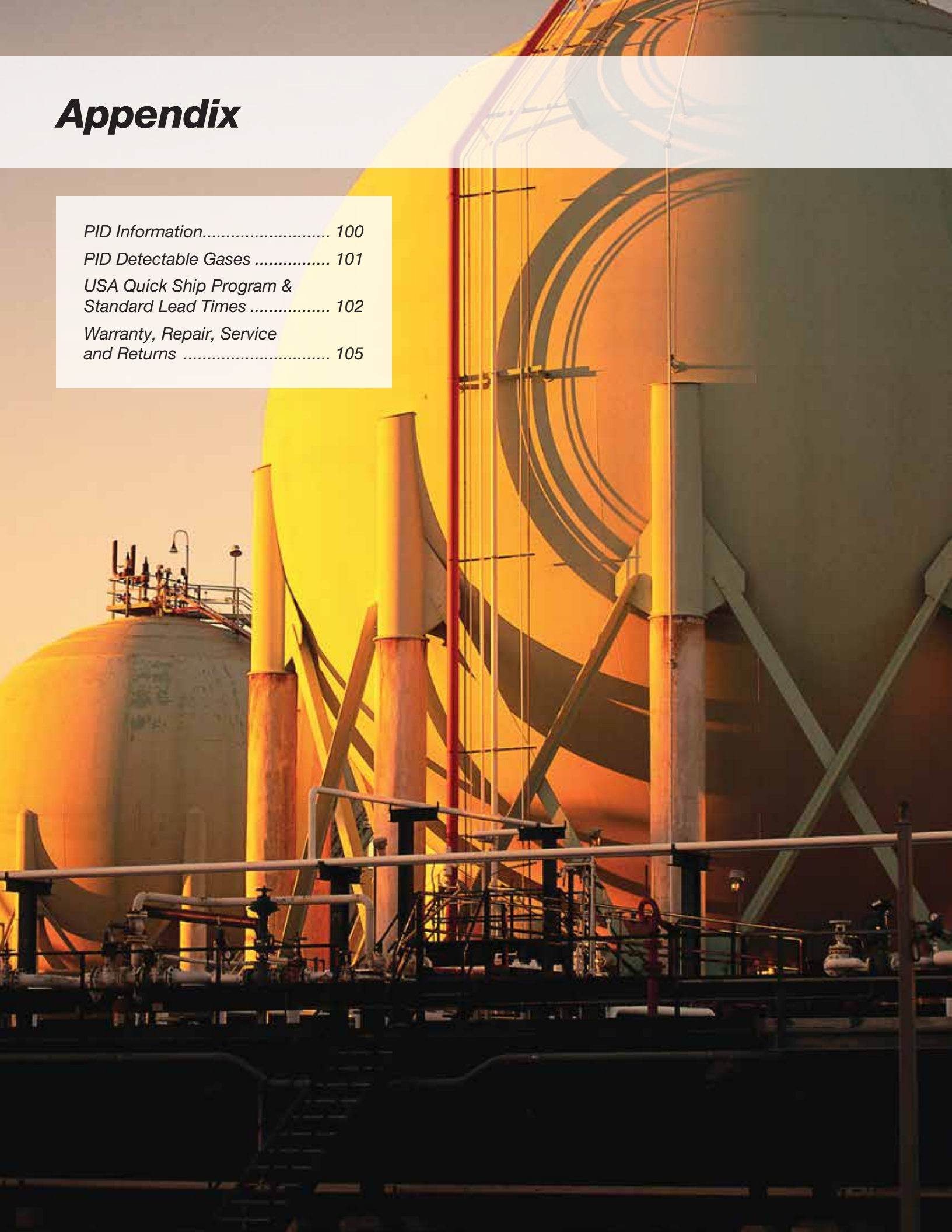


Appendix

<i>PID Information.....</i>	<i>100</i>
<i>PID Detectable Gases</i>	<i>101</i>
<i>USA Quick Ship Program & Standard Lead Times</i>	<i>102</i>
<i>Warranty, Repair, Service and Returns</i>	<i>105</i>

Appendix

<i>PID Information.....</i>	<i>100</i>
<i>PID Detectable Gases</i>	<i>101</i>
<i>USA Quick Ship Program & Standard Lead Times</i>	<i>102</i>
<i>Warranty, Repair, Service and Returns</i>	<i>105</i>



PID Information

VOCs and PID

VOCs are organic compounds characterized by a tendency to evaporate easily at room temperature with the potential of forming a toxic gas concentration. While some volatile organic compounds (VOCs) are acutely toxic at low concentrations, the harmful effects of most VOCs are delayed. Negative effects may occur long after the primary exposure thus many people ignore the potential danger. Long-term effects can include leukemia, memory problems, loss of hand-eye coordination, cancer, and a range of other physiological affects. Many personnel throughout the world are unprotected from VOCs in their daily work either because they are unaware of the toxic hazards, or because they are without a detector that detects for these gas concentrations.

Most VOCs have surprisingly low occupational exposure limits. An increased awareness has resulted in several newly revised VOC exposure limits, including TLVs for diesel vapor, kerosene, and gasoline. Photoionization detectors (PIDs) are able to detect VOCs and large hydrocarbon molecules that are undetectable by catalytic and electrochemical sensors.

PID equipped instruments are generally the best choice for measurement of VOCs at exposure limit concentrations.

This table lists ten common VOCs, their lower explosive limit (LEL) concentration and their exposure limits per the UK OEL, NIOSH REL and ACGIH TLV. The table also identifies those contaminants (highlighted in dark gray) with toxic exposure limits lower than 5% LEL.

Contaminant	LEL (Vol%)	OSHA PEL	NIOSH REL	TLV	5% LEL in ppm
Acetone	2.5	1,000 ppm TWA	250 ppm TWA	500 ppm TWA 750 ppm STEL	1250 ppm
Diesel (No. 2) vapor	0.6	None Listed	None Listed	15 ppm	300 ppm
Ethanol	3.3	1,000 ppm TWA	1000 ppm TWA	1000 ppm TWA	1,650 ppm
Gasoline	1.3	None Listed	None Listed	300 ppm TWA 500 ppm STEL	650 ppm
Hexane	1.1	500 ppm TWA	50 ppm TWA	50 ppm TWA	550 ppm
Isopropyl alcohol	2.0	400 ppm TWA	400 ppm TWA 500 ppm STEL	200 ppm TWA 400 ppm STEL	1000 ppm
Kerosene/Jet Fuels	0.7	None Listed	100 mg/M3 TWA (approx. 14.4 ppm)	200 mg/M3 TWA (approx. 29 ppm)	350 ppm
MEK	1.4	200 ppm TWA	200 ppm TWA 300 ppm STEL	200 ppm TWA 300 ppm STEL	700 ppm
Turpentine	0.8	100 ppm TWA	100 ppm TWA	20 ppm TWA	400 ppm
Xylenes (o, m and p isomers)	0.9-1.1	100 ppm TWA	100 ppm TWA 150 ppm STEL	100 ppm TWA 150 ppm STEL	450—550 ppm

Substance	Ionization Energy	Detectable by
carbon monoxide	14.01	electrochemical sensor
hydrogen cyanide	13.60	electrochemical sensor
methane	12.98	combustible sensor
sulfur dioxide	12.32	electrochemical sensor
oxygen	12.08	O ₂ sensor
chlorine	11.48	electrochemical sensor
chlorine dioxide	10.57	electrochemical sensor
hydrogen sulfide	10.46	electrochemical sensor
n-hexane	10.18	electrochemical sensor
ammonia	10.16	electrochemical sensor
phosphine	9.87	electrochemical sensor
nitrogen dioxide	9.75	electrochemical sensor
acetone	9.69	—
MEK	9.51	—
butadiene	9.07	—
toluene	8.82	—

↑ detectable by 10.6 PID ↓

Toxic limits that exceed lower explosive limits (LEL)

PID Detectable Gases

Acetaldehyde	Cyclohexylamine	Ethyl amine	Methoxyethoxyethanol, 2-	Phenyl-2,3-epoxypropyl ether
Acetic Anhydride	Cyclopentane	Ethyl benzene	Methoxymethylethoxy-2-propanol	Phenylenediamine, p-
Acetone	Decane, n-	Ethyl butyrate	2-methoxy-1-methylethyl acetate (PGMEA thinners)	Picoline, 3-
Acrylic Acid	Diacetone alcohol	Ethyl chloroformate	Methoxypropan-2-ol	Picric acid
Allyl chloride	Dibromochloromethane	Ethyl formate	Methoxypropyl acetate	Pinene, alpha
Ammonia	Dibromoethane 1,2-	Ethyl hexyl acrylate, 2-	Methyl acetate	Pinene, beta
Ammonium chloride	Dichloro-1-propene, 2,3-	Ethylene	Methyl acrylate	Piperidine
Amyl acetate, n-	Dichloroacetylene	Ethylene glycol	Methyl ethyl ketone (MEK)	Piperylene
Amyl alcohol	Dichlorobenzene o-	Ferrocene	Methyl isobutyl ketone (MIBK)	Prop-2-yn-1-ol
Aniline	Dichloroethene, 1,1-	Formamide	Methyl isothiocyanate	Propan-1-ol
Anisole	Dichloroethene, cis-1,2-	Furfural	Methyl methacrylate	Propan-2-ol
Asphalt, petroleum fumes	Dichloroethene, trans-1,2-	Furfuryl alcohol	Methyl oxirane	Propane-1,2-diol, total
Benzaldehyde	Dichloroethylene, 1,1-	Gasoline vapors	Methyl pentan-2-one	Propene
Benzenamine	Dichloroethylene 1,2-	Gasoline vapors 92 octane	1-Methyl-prop-2-ene	Propionaldehyde
Benzenethiol	Dicyclopentadiene	Heptan-2-one	Methyl n-propyl ketone (MPK)	Propionic acid
Benzonitrile	Diesel Fuel	Heptan-3-one	Methyl salicylate	Propyl acetate, n-
Benzyl alcohol	Diethyl ether	Hexane n-	Methyl sulphide	Propylene
Benzyl formate	Diethyl sulphide	Hexamethyldisilazane, 1,1,1,3,3,3-	Methyl t-butyl ether (MTBE)	Propylene oxide
Biphenyl	Diethylamine	Hexan-1-ol	Methyl-2-propen-1-ol, 2-	Propyleneimine
Bis (2,3-epoxypropyl) ether	Diethylaminoethanol, 2-	Hexan-2-one	Methyl-2-pyrrolidinone, N-	Pyridine
Bitumen, petroleum fumes	Diethylaminopropylamine, 3-	Hexene n-	Methyl-5-hepten-2-one, 6-	Pyridylamine 2-
Bromobenzene	Dihydrogen selenide	Hydrene, 1-	Methylamine	Pyrocatechol
Bromoethane	Diisobutylene	Hydrogen sulfide	Methylbutan-1-ol, 3-	Resorcinol
Bromoethyl methyl ether, 2-	Diisopropyl ether	Hydroquinone	Methylcyclohexane	Safrole
Bromopropane, 1-	Diisopropylamine	Hydroxypropyl acrylate 2-	Methylcyclohexanol, 4-	Styrene
Butadiene	Dimethoxymethane	Iminodi(ethylamine) 2,2-	Methylcyclohexanone 2-	Terpinolene
Butadiene diepoxide, 1,3-	Dimethyl benzene	Iminodiethanol 2,2'-	Methylheptan-3-one, 5-	Tert-butanol
Butan-2-one	Dimethyl disulphide	Indene	Methylhexan-2-one, 5-	Tetrabromoethane, 1,1,2,2-
Butanol, 1-	Dimethyl ether	Iodoform	Methylhydrazine	Tetracarbonylnickel
Buten-3-ol, 1-	Dimethyl formamide, N,N-	Iodomethane	Methyl-N-2,4,6-tetranitroaniline, N-	Tetrachloroethylene
Butene, 1-	Dimethyl phthalate	Isoamyl acetate	Methylpent-3-en-2-one, 4-	Tetrachloronaphthalenes, all isomers
Butoxyethanol, 2-	Dimethyl sulphide	Isobutane	Methylpentan-2-ol, 4-	Tetraethyl orthosilicate
2-butoxyethyl acetate	Dimethylacetamide N,N-	Isobutanol	Methylpentane-2,4-diol, 2-	Tetrafluoroethylene
Butyl acetate, n-	Dimethylamine	Isobutyl acetate	Methylpropan-2-ol, 2-	Tetrahydrofuran
Butyl acrylate, n-	Dimethylaminoethanol	Isobutyl acrylate	Methylstyrene	Tetrahydrothiophene
Butyl lactate	Dimethylaniline, NN-	Isobutylene	Mineral spirits	Thiophane
t-Butyl methyl ether (MTBE)	Dimethylbutyl acetate	Isobutyraldehyde	Monochlorobenzene	Toluene
Butylamine, 2-	Dimethylethylamine, NN-	Isooctane (Naphtha)	Naphtha (iso-octane)	Tributylamine
Butylamine, n-	Dimethylformamide	Isooctyl alcohol	Naphthalene	Trichlorobenzene 1,2,4-
Camphene	Dimethylheptan-4-one, 2,6-	Isopentane	Nitric oxide	Trichloroethylene
Carbon disulfide	Dinitrobenzene, m-	Isophorone	Nitroaniline 4-	Trimethylamine
Carbon tetrabromide	Dinitrobenzene, p-	Isopropanol	Nitrogen trichloride	Trimethylbenzene mixtures
Chloro-1,3-butadiene, 2-	Dinonyl phthalate	Isopropyl acetate	Nonane, n-	Trimethylbenzene, 1,3,5-
Chlorobenzene	Dioxane 1,2-	Isopropyl alcohol	Octane, n-	Turpentine
Chloroethyl methyl ether, 2-	Dioxane 1,4-	Isopropyl chloroformate	Octene, 1-	TVOC
Chlorotoluene, o-	Diphenyl ether	Isosafrole	Oxydiethanol 2,2-	Undecane, n-
Chlorotoluene, p-	Diphenylamine	Jet Fuel JP-4	Pentan-2-one	Vinyl acetate
Chlorotrifluoroethylene	Divinylbenzene	Jet Fuel JP-5	Pentan-3-one	Vinyl bromide
Cresol, m-	Epoxypropyl isopropyl ether, 2,3-	Jet Fuel JP-8, Jet A1	Pentandione, 2,4-	Vinyl chloride
Cresol, o-	Ethanal	Kerosene	Pentane, n-	Vinylethylene
Cresol, p-	Ethanol	Ketene	Phenol	Vinyl-2-pyrrolidinone, 1-
Crotonaldehyde	Ethanolamine	Mesitylene	Phenyl-2-propanone	Xylene mixed isomers
Cumene	Ethoxyethanol, 2-	Methacrylic acid	Phenyl propene, 2-	Xylene, m-
Cyclohexane	Ethyl (S)-(-)-lactate	Methacrylonitrile		Xylene, o-
Cyclohexanol	Ethyl acetate	Methoxyethanol, 2-		Xylene, p-
Cyclohexanone	Ethyl alcohol			Xylidine, all
Cyclohexene	Ethyl acrylate			

Note: This list is not all-inclusive. For a complete list of PID-detectable gases, please consult your RSM or a factory location. As PID is a non-specific sensing technology, it is recommended you verify detection capabilities for any specific compounds.

USA Quick Ship Program & Standard Lead Times

In response to customer feedback, Honeywell Analytics and BW Technologies by Honeywell offer accelerated shipment of standard products to serve you better. Portable gas detectors, accessories and spares as specified below are targeted to ship in 48 hours from order placement. Maximum order quantity applies.

**If ordering above this quantity, please use lead time for "All other configurations".*

***If ordering above this quantity, please contact customer service for lead-time.*

GasAlertClip Extreme		Lead Time (days)	Max Qty
GA24XT-H	24 month H ₂ S detector	2	400*
GA24XT-M	24 month CO detector	2	50*
GA24XT-S	24 month SO ₂ detector	2	50*
GA24XT-X	24 month O ₂ detector	2	50*
GA36XT-H	36 month H ₂ S detector	2	100*
GA36XT-M	36 month CO detector	2	10*
All other configurations	GasAlertClip Extreme	6	1000**

GasAlert Extreme		Lead Time (days)	Max Qty
GAXT-H-DL	H ₂ S detector	2	50*
GAXT-H-2-DL	H ₂ S (extended range) detector	2	20*
GAXT-M-DL	CO detector	2	10*
GAXT-X-DL-2	O ₂ detector	2	10*
All other configurations	GasAlert Extreme	8	500**

ToxiPro®		Lead Time (days)	Max Qty
54-45-01VD	CO detector, vibrating alarm, datalogging	2	25*
54-45-90VD	O ₂ detector, vibrating alarm, datalogging	2	10*
54-45-02VD	H ₂ S detector, vibrating alarm, datalogging	2	10*
All other configurations	ToxiPro®	6	500**

GasAlertMicroClip XT		Lead Time (days)	Max Qty
MC2-XWHM-Y-NA	%LEL, O ₂ , H ₂ S, CO detector	2	20*
All other configurations	GasAlertMicroClip XT	6	125**

GasAlertQuattro		Lead Time (days)	Max Qty
QT-XWHM-A-Y-NA	%LEL, O ₂ , H ₂ S, CO detector, alkaline battery	2	20*
QT-XWHM-R-Y-NA	%LEL, O ₂ , H ₂ S, CO detector, rechargeable battery	2	20*
All other configurations	GasAlertQuattro	8	100**

IQ Force™		Lead Time (days)	Max Qty
IQ-XWY-B-NA	%LEL, O ₂ , H ₂ S, CO, rechargeable battery	2	10*
All other configurations	IQ Force™	8	100**
MultiPro™		Lead Time (days)	Max Qty
54-48-314NDY	%LEL, O ₂ , Duo-Tox (CO/H ₂ S), rechargeable battery, datalogging and vibrating alarm	2	10*
54-48-314ADY	%LEL, O ₂ , Duo-Tox (CO/H ₂ S), alkaline battery, datalogging and vibrating alarm	2	10*
All other configurations	MultiPro™	13	25**
GasAlertMax XT II		Lead Time (days)	Max Qty
XT-XWHM-Y-NA	%LEL, O ₂ , H ₂ S, CO detector	2	20*
XT-XWHM-Y-NA-CS	%LEL, O ₂ , H ₂ S, CO detector, with confined space kit	2	4*
All other configurations	GasAlertMax XT II	8	100**
Impact & Impact Pro		Lead Time (days)	Max Qty
2302B20008UE	Impact	2	20*
2302B20009UE	Impact Pro	2	50*
GasAlertMicro 5 Series		Lead Time (days)	Max Qty
M5-XW0Y-R-P-D-Y-N-00	%LEL, O ₂ , H ₂ S, CO detector, rechargeable battery, pump and datalogging	2	3*
M5-XWSY- R-P-D-Y-N-00	%LEL, O ₂ , H ₂ S, CO, SO ₂ detector, rechargeable battery, pump and datalogging	2	2*
M5PID-XWQY-R-P-D-Y-N-00	VOCs, %LEL, O ₂ , H ₂ S, CO detector, rechargeable battery, pump and datalogging	2	3*
All other configurations	GasAlertMicro 5 Series	8	25**
PhD6™		Lead Time (days)	Max Qty
Standard configurations	PhD6™	8	15*
MicroMAX Pro		Lead Time (days)	Max Qty
MPRO-4ABCD	MicroMAX Pro O ₂ LEL CO H ₂ S	2	20*
All other configurations	MicroMAX Pro	20	50*

USA Quick Ship Program & Standard Lead Times (continued)

MicroDock II		Lead Time (days)	Max Qty
DOCK2-2-1E-00-G	Base station with one GasAlertClip Extreme H ₂ S module	2	3*
DOCK2-2-1C1P-00-G	GasAlertMicroClip XT module (charging) with power supply	2	3*
DOCK2-2-1C1M-00-G	GasAlertMax XT II module (charging) with power supply	2	3*
All other configurations	MicroDock II	8	25**

IQ Express™ Docking Stations		Lead Time (days)	Max Qty
54-46-9100N	IQ Express™ Docking Station for ToxiPro®, ethernet ready	2	2*
IQ-DOCK	IQ Force™ Dock, stand alone, ethernet ready	2	2*
All other configurations	IQ Express™ Docking Stations	10	25**

Sensors & Cartridges		Lead Time (days)	Max Qty
D4-RHM04	Replacement Duo-Tox (CO/H ₂ S) sensor	2	10*
SR-H-MC	Replacement MICROcel® H ₂ S sensor	2	10*
SR-M-MC	Replacement MICROcel® CO sensor	2	10*
SR-M04-SC	Replacement CO SureCell™ 4 series, 0-1000 ppm	2	5*
SR-W04	Replacement combustible sensor, with heavy duty silicone filter	2	5*
SR-W-MP75C	Replacement MICROpel® %LEL sensor	2	10*
SR-X10-C1	Replacement O ₂ sensor	2	10*
54-49-80C	Replacement LEL sensor for MultiPro™	2	10*
54-49-90	Replacement O ₂ sensor for MultiPro™	2	10*
54-49-14	Replacement Duo-Tox (CO/H ₂ S) sensor for MultiPro™	2	10*
All other configurations	Sensors	8	25**
All other configurations	Exotic / Smart Sensors (some exceptions apply)	20	25**
2302BCD4OFCHO	Impact / Impact Pro disposable sensor cartridges (%LEL, O ₂ , CO, H ₂ S)	2	20**
All other configurations	Impact & Impact Pro sensor cartridges (some exceptions apply)	20	20**
MPRO-O2	MicroMAX Pro O ₂ sensor high performance (4 series)	2	20**
All other configurations	MicroMAX Pro sensors (some exceptions apply)	20	20**

Accessories		Lead Time (days)	Max Qty
Batteries, chargers and pumps		8	10**
2302B1412	Impact / Impact Pro rechargeable battery kit	2	25*
MPRO-BPR	MicroMAX Pro rechargeable battery pack	2	20*
Accessories		8	10**
Calibration gas	Standard	8	10**
Calibration gas	Exotic	20	10**

NOTE: Unless otherwise notified in writing, Honeywell Analytics and BW Technologies by Honeywell ships whole orders only. Shipments containing products with both extended lead times and a 48-hour target lead time, will defer to the longest lead time. Impacts from any global electronic part shortages may potentially override the 48-hour shipment target. Program available to orders placed in the USA only.

Warranty, Repair, Service and Returns

for Portable Gas Detection Equipment

Honeywell provides simple options for service and repair of your portable gas detection instruments with the type of support to keep your plant and people safe and to keep your business up and running. The following Honeywell Analytics' (HA) warranty, service/repair and return programs apply to both BW Technologies by Honeywell and Honeywell portable gas detection product brands.

Warranty

- Honeywell manufactured products including instruments, accessories and sensors have a limited 2 year warranty period from factory ship date against defects in materials and workmanship (unless otherwise specified). The warranty is void in cases of product damage due to misuse, corrosion or modification.
- Standard product warranty excludes calibration gas and consumable items such as sensor screens and alkaline batteries. For calibration gas, refer to the expiration date on the gas cylinder.
- For specific warranty information, please refer to the documentation supplied with the product.

Honeywell offers an advance replacement program for products less than 75 days old and a Replacement or Repair program for products under warranty. To take advantage of warranty programs, distributors can obtain Return Material Authorization (RMA) by contacting the Honeywell Service Repair Workshop (see contact information below).

Service & Repair

For out-of-warranty product, service and repairs can be initiated by obtaining a Service Notification Number (SNN) from the Honeywell Service Repair Workshop (see contact information below). Service and repair fees for out-of-warranty product are based on a flat rate of 30% of the Instrument's current List Price.

Additional Services

Honeywell offers additional services as listed below. These services are offered solely through distribution partners and can be fulfilled by any Honeywell Factory or Certified Distributor Service Center:

- Installation and commissioning
- Contract maintenance
- Calibration and surveys

Product Returns

Honeywell offers a return-for-credit program for products returned within 60 days of the date of shipment from the manufacturing facility. The following conditions apply to the return-for-credit program:

- Returned product will be subject to a 25% restocking fee
- Credit will only be issued for returns valued at over \$250 per sales order
- Product must be returned in its original, "sellable" condition.

For Warranty, Repair, Service and Returns, please use the contact information below:

US Portables Service Repair Workshop

Bay Area Business Park
Building Two
9401 Bay Area Boulevard Suite 400
Pasadena, Texas 77507

Tel: 1-888-749-8878
Fax: 1-847-575-1327

RMA (in warranty) email: bwa.rma@honeywell.com
SNN (out of warranty) email: ha.us.service@honeywell.com

Notes

Honeywell Analytics Lines of Business



Commercial

Gas detection from standalone units to fully engineered, multi-point systems, all offering cost-effective regulatory compliance

- » Applications: parking structures, chillers, mechanical rooms, office towers, commercial buildings, shopping centers, swimming pools, golf courses, schools and universities, laboratories

Industrial

Renowned Sieger and Manning gas detection systems with advanced electrochemical, infrared and open path sensing technologies

- » Applications: oil and gas, cold storage, water/wastewater treatment, chemicals, engine rooms, plastics and fibers, agriculture, printing and light industrial

Portables

Single or multi-gas and other premium detectors with compact, lightweight designs ranging from simple alarm only units to advanced, fully configurable and serviceable instruments

- » Applications: underground utility and electricity ducts, boiler rooms, post-fire sites, sewers, industrial plants, industrial hygiene, first responder teams, remote fleets

Find out more

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Technical Services

ha.service@honeywell.com

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