

# GAS DETECTION PRODUCT GUIDE



[www.gasmonitors.com](http://www.gasmonitors.com)

**BW**  
Technologies  
by Honeywell

**Wear yellow. Work safe.**

BW Technologies by Honeywell is a world leader in the gas detection industry through our commitment to providing customers with high performance, dependable products backed by exceptional customer service and support. We design, manufacture and market innovative global gas detection solutions for a wide variety of applications and industries.

## Applications

BW Technologies by Honeywell serves a wide variety of markets, including:

- Agriculture
- Airlines
- Chemical
- Confined space entry
- Construction
- Fire rescue
- Marine and shipping
- Mining (open pit)
- Municipalities
- Oil and gas
- Pharmaceuticals
- Pulp and paper
- Refineries and petrochemical facilities
- Steel mills
- Telecom
- Transportation
- Utilities

## Gases

- Combustible gases
- Oxygen
- Toxic gases:

NH <sub>3</sub>	Ammonia
CO	Carbon monoxide
CO <sub>2</sub>	Carbon dioxide
Cl <sub>2</sub>	Chlorine
ClO <sub>2</sub>	Chlorine dioxide
C <sub>2</sub> H <sub>4</sub> O	Ethylene oxide (ETO)
HCl	Hydrogen chloride
HCN	Hydrogen cyanide
H <sub>2</sub> S	Hydrogen sulfide
NO	Nitric oxide
NO <sub>2</sub>	Nitrogen dioxide
O <sub>3</sub>	Ozone
SO <sub>2</sub>	Sulfur dioxide
PH <sub>3</sub>	Phosphine
- VOCs (Volatile Organic Compounds)

*Note: Specifications are subject to change without notice, products may not be exactly as shown.*

## Multi-Gas Detectors

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## Icon Key

	Concussion-proof boot		Rechargeable battery
	Water resistant		AA batteries
	Alligator clip		Auto zero function
	Stainless steel belt clip		Self-test
	STEL/TWA alarms		Passcode protection
	High alarm		Multi-language option
	Low alarm		Life remaining display
	Vibrating alarm		Zero-maintenance
	95 dB audible alarm		Datalogging*
	Backlight		IR port downloadable
	IntelliFlash		One-button simplicity
	Black housing option		

\*Datalogging may be optional on some products.

# GasAlertQuattro

H<sub>2</sub>S, CO, O<sub>2</sub>, %LEL

## Simple, Efficient Visual Compliance

GasAlertQuattro is the most economical and simple way to visual compliance. Among portable multi-gas detectors, only the GasAlertQuattro has IntelliFlash, a green LED that continuously flashes to let the safety manager know their crew is safe, the site is compliant and the job is productive. And GasAlertQuattro is a member of the GasAlert family of simple, one-button operation which means less training and tamperproof quality.



Suited to a wide range of applications, the GasAlertQuattro is ideal for industries including oil and gas, petrochemical, power and utilities and general confined space entry. No matter what the industry, the GasAlertQuattro has the right capabilities.

It's simple, it's rugged, it's reliable. GasAlertQuattro continues the simplicity BW Technologies has a tradition of bringing to the job. The rugged design keeps GasAlertQuattro working in the most extreme weather, environments and work conditions. Easily recognizable icons communicate information about bump testing, calibration, remaining battery charge and operation status. So, relying on GasAlertQuattro prevents costly downtime and workers feel safer.



**MicroDock II  
compatible**

- IntelliFlash verifies operation and compliance to both the user and supervisors from up to 20 ft. / 6.1 m
- Detects up to four hazards including H<sub>2</sub>S, CO, O<sub>2</sub> and combustibles
- Minimizes costs and training as the newest member of the GasAlert family of simple one-button operation gas detectors
- Interchangeable power options with extended battery runtimes means GasAlertQuattro is on the job shift after shift minimizing overall fleet cost
- Field-proven Surecell® sensors offer unprecedented performance even in the harshest environments
- MicroDock II compatible for easy calibration, test and record storage

# GasAlertQuattro

## Easy Auditing

No manual checks, no time spent inspecting... just a quick visual scan of the area provides assurance all is well in minutes, not hours. So safety managers can spend more time on the job, not auditing equipment.



*The green LED confidence flash verifies normal operation, including bump test and calibration compliance, to both the user and supervisors from up to 20 ft. / 6.10 m.*



**IntelliFlash**

## Accessories

Customize your GasAlertQuattro to suit specific applications and maximize performance with a wide variety of accessories.

### Connectivity

#### **IR Connectivity Kit**

*The IR connectivity kit easily connects to the detector's charging and IR communications port for high-speed data downloads and access to instrument set-up options.*



### Filters



#### **Auxiliary Filter Kit**

*Shield your LCD from scratches and provide additional protection for the sensors against dirt and debris. Ships with five filters.*

## Confined Space Kits

Simplify confined space entry. BW confined space kits are designed to provide all the accessories necessary to safely sample and effectively monitor for atmospheric hazards during confined space entry work.

The GasAlertQuattro confined space kit includes a standard 4-gas detector, rechargeable battery pack, manual aspirator kit, IR connectivity kit, calibration cap, regulator, sampling probe and calibration gas. Contact a BW representative for other kit options.



## Charging Options

Make sure your GasAlertQuattro is ready when you are with a variety of charging options.



### **Rechargeable Battery Pack or Alkaline Pack with 3 AA Batteries**

*Interchangeable power options with extended battery runtimes*

**Multi-Unit Power Adaptor**  
*Simultaneously charges five detectors*



**Multi-Unit Cradle Charger**  
*Simultaneously charges five detectors*



### **Vehicle Attachment**



# GasAlertMicroClip XT

H<sub>2</sub>S, CO, O<sub>2</sub>, %LEL

## 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.



Ideal for confined space entry, the GasAlertMicroClip XT can be used in any application such as telecom, oil and gas, municipalities, utilities, marine and shipping, refineries, petrochemical facilities and construction or by hazmat, police and firefighters.

Calibration is required only two times per year with a simple one-button automatic procedure. The unit recharges in less than four hours and is powered by a lithium polymer battery. The GasAlertMicroClip XT features a built-in concussion-proof boot plus an IP67 rating ensures dust and water resistance. Guarantee an accurate record of a user's day with 16 hours of standard datalogging and event logging of up to ten events. All these features and benefits add to a monitor that not only keeps workers safe and compliant but also lowers the overall cost of ownership.





MicroDock II  
compatible

- Detects up to four hazards including H<sub>2</sub>S, CO, O<sub>2</sub> and combustibles
- Minimizes costs and training as a member of the GasAlert family of simple one-button operation gas detectors
- Incredibly thin and lightweight, making it comfortable to wear
- Powered by a rechargeable battery
- Multi-language support in English, French, German, Spanish and Portuguese
- MicroDock II compatible for easy calibration, test and record storage

# GasAlertMicroClip XT

## Easy Auditing

No manual checks, no time spent inspecting... just a quick visual scan of the area provides assurance all is well in minutes, not hours. So safety managers can spend more time on the job, not auditing equipment.

The green LED confidence flash verifies normal operation, including bump test and calibration compliance, to both the user and supervisors from up to 20 ft. / 6.10 m.



**IntelliFlash**

## Accessories

Customize your GasAlertMicroClip XT to suit specific applications and maximize performance with a wide variety of accessories.

### Connectivity

#### **IR Connectivity Kit**

*Connects to the charging and IR communications port for data downloads and access to instrument set-up options (software included)*



### Filters

#### **Auxiliary Filter Kit**

*Easily attaches in the field to protect the internal filter (includes five filters)*



## Deluxe Confined Space Kit

Simplify confined space entry. The Deluxe Confined Space Kit is designed to provide all the accessories necessary to safely sample and effectively monitor for atmospheric hazards during confined space entry work.

The GasAlertMicroClip XT Deluxe Confined Space Kit includes manual aspirator kit, IR connectivity kit, calibration cap, regulator, sampling probe, leather carrying case and auxiliary filter.

Detector, calibration gas and motorized sampling pump sold separately.



## Charging Options

Make sure your GasAlertMicroClip XT is ready when you are with a variety of charging options.

### **Direct-Wire Power Adaptor** 12-24 Vdc



### **Vehicle Power Adaptor** 12-24 Vdc



### **Multi-Unit Power Adaptor**

*Simultaneously charges five detectors*



### **Multi-Unit Cradle Charger**

*Simultaneously charges five detectors*

# GasAlertMax XT II

H<sub>2</sub>S, CO, O<sub>2</sub>, %LEL

## Simple, Easy to Use, Multi-gas with Pump

As a member of the GasAlert family of simple, one-button operation gas detectors, GasAlertMax XT II combines straightforward field operation with an integrated sampling pump. Equipped with SmartSample technology, the GasAlertMax XT II's powerful diaphragm pump saves time with reliable pump block detection; water and other liquids are prevented from being drawn into the pump.



The GasAlertMax XT II is ideally suited to a range of applications and customers including oil and gas, marine and shipping, utilities, wastewater treatment plants, power generation, municipal needs and confined space entry.

Simplicity meets cost containment with GasAlertMax XT II. Calibration is required only two times per year with a simple one-button automatic procedure. Tamper-proof, user adjustable options enable the user to customize the instrument to suit specific applications. Eliminating push-button menu navigation, the GasAlertMax XT II connects to a computer using the IR connectivity kit to access user-definable options. It's never been easier to be safe, compliant and lower overall costs of operation.



MicroDock II  
compatible



- Detects up to four hazards including H<sub>2</sub>S, CO, O<sub>2</sub> and combustibles
- Minimizes costs and training as a member of the GasAlert family of simple one-button operation gas detectors
- More accurate sampling results with SmartSample pump technology
- Built-in rechargeable lithium battery
- Rugged and durable with built-in concussion-proof boot
- Standard datalogging and event logging
- Quickly check condition of pump filter through pump filter window
- Multi-language support in English, French, German, Spanish and Portuguese

# GasAlertMax XT II

## Simplify Sampling

Equipped with SmartSample technology, the GasAlertMax XT II's integrated sampling pump is designed for performance, reliability and ease-of-use. The simple, quick-connect tubing system instantly secures the sampling hose in place, enabling the user to change tubing lengths (up to 66 ft. / 20 m) and sampling accessories in seconds. And with the pump filter window, users can quickly check the condition of the pump filter and replace it directly in the field.



**SmartSample**

## Accessories

Customize your GasAlertMax XT II to suit specific applications and maximize performance with a wide variety of accessories.



### **Carrying Holster**

*Conveniently attach the detector to your belt and manage excess tubing*

### **Concussion-Proof Boot**

*Heavy duty protection for extreme conditions*



### **IR Connectivity Kit**

*Use for data download and instrument set-up options*

## Filters

### **Auxiliary Pump Filter**

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



### **Hydrophobic Pump Filter or Particulate Pump Filter**

*Both are available in kits of 5, 50 or 100*



## Confined Space Kits

Simplify confined space entry. BW confined space kits are designed to provide all the accessories necessary to safely sample and effectively monitor for atmospheric hazards during confined space entry work.

The GasAlertMax XT II confined space kit includes a standard 4-gas detector, IR connectivity kit, regulator, sampling probe and calibration gas. Contact a BW representative for other kit options.



## Charging Options

Make sure your GasAlertMax XT II is ready when you are with a variety of charging options.

### **Direct-Wire Power Adaptor** 12-24 Vdc



### **Vehicle Power Adaptor** 12-24 Vdc



### **Multi-Unit Power Adaptor** *Simultaneously charges five detectors*

### **Multi-Unit Cradle Charger** *Simultaneously charges five detectors*



# GasAlertMicro 5 Series

H<sub>2</sub>S, CO, O<sub>2</sub>, SO<sub>2</sub>, PH<sub>3</sub>, NH<sub>3</sub>, NO<sub>2</sub>, HCN, Cl<sub>2</sub>, ClO<sub>2</sub>, O<sub>3</sub>, %LEL, VOCs (PID), CO<sub>2</sub> (IR)

## Measure up to five hazards concurrently

Rugged and durable, the GasAlertMicro 5 Series are available as diffusion or pumped instruments. Each of the portable gas detectors simultaneously monitor and display up to five potential atmospheric hazards. The GasAlertMicro 5 PID model also identifies PID detectable VOCs, while the GasAlertMicro 5 IR uses an NDIR sensor to monitor CO<sub>2</sub> levels.



GasAlertMicro 5 Series instruments are designed for any application requiring confined space entry such as telecom, oil and gas, municipalities, utilities, marine and shipping, refineries, petrochemical facilities and construction as well as by hazmat, police and firefighters.

Use the passcode protect function to prevent unauthorized modifications to the instrument's settings. Other user options include selectable ppm resolution, combustible/PID correction factor options and multi-language support. User-downloadable datalogging features wraparound memory. Power options include three AA alkaline batteries or a hot-swappable, rechargeable battery pack.





**MicroDock II  
compatible**

Sample from remote locations with motorized pump option.



- Rapidly switch from diffusion to pump mode
- Dust and water resistant design with IP65/67 rating
- Built-in concussion-proof boot
- User-downloadable datalogging
- Full function self-test
- Simple, automatic calibration procedure
- Multi-language support in English, French, German, Spanish and Portuguese

# GasAlertMicro 5 Series



## Pump Option

For remote sampling prior to entering a confined space, GasAlertMicro 5 Series instruments can be switched from diffusion to pump mode. Integral motorized pump kits include pump cover, sample probe, particulate filters, sample tubing and spare filters.



### Sampling Probe

*Includes particle and water filter (for the GasAlert detector series)*



## Accessories

Customize your GasAlertMicro 5 Series instruments to suit specific applications and maximize performance with a wide variety of accessories.

### Carrying Accessories



### Concussion-Proof Boot

*Heavy duty protection for extreme conditions*

### Carrying Holster

*Fits securely on belt*



## Deluxe Confined Space Kit

Simplify confined space entry. The Deluxe Confined Space Kit is designed to provide all the accessories necessary to safely sample and effectively monitor for atmospheric hazards during confined space entry work.

The GasAlertMicro 5 Series Deluxe Confined Space Kit includes manual aspirator kit, calibration cap, regulator, sampling probe with holster, detector holster, five spare auxiliary filters and three spare quick connect fittings. Detector, calibration gas and motorized sampling pump sold separately.



## Charging Options



### **Alkaline and Rechargeable Battery Packs**

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

### **Cradle Charger Kit with Battery**

*Includes charger and rechargeable battery pack*



### **Vehicle Adaptor 12 Vdc**

*Vehicle adaptor cable for use with cradle charger*

# GasAlert Extreme

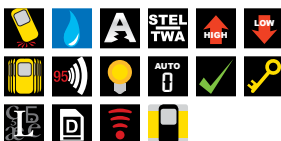
H<sub>2</sub>S, CO, O<sub>2</sub>, SO<sub>2</sub>, PH<sub>3</sub>, NH<sub>3</sub>, NO<sub>2</sub>, NO,  
HCN, Cl<sub>2</sub>, ClO<sub>2</sub>, O<sub>3</sub>, ETO

## Long term, single gas 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 two year field-replaceable battery and sensor. Calibration is a simple automatic procedure.



MicroDock II  
compatible



- Standard datalogging
- Built-in concussion-proof boot
- Exceptional battery runtime
- Highly water resistant design with IP66/67 rating
- Field-settable user options are tamper-proof with passcode protection
- Multi-language support in English, French, German, Spanish and Portuguese

## Single-gas Accessories



**IR DataLink**  
USB Adaptor

**Concussion-Proof Boots**  
Heavy duty protection for  
extreme conditions



**Splash Guard Filters**  
For use with concussion-proof boot;  
available in pack of ten

# GasAlertClip Extreme

H<sub>2</sub>S, CO, O<sub>2</sub>, SO<sub>2</sub> – 2 year; H<sub>2</sub>S, CO – 3 year

## Up to three years of continuous, single gas protection

Simply press the start/test button and the GasAlertClip Extreme is ready to use. Available in two or three year versions, this single gas detector requires no calibration, sensor replacement, battery replacement or battery charging. Rugged and durable with built-in concussion-proof boot, the GasAlertClip Extreme's LCD displays life remaining in months, days and hours.



- Exceptionally low cost of ownership
- No downtime
- Daily self test reminder
- Automatic event logging
- Peak alarm exposures can be displayed on demand
- Rugged water resistant design with IP66/67 rating

MicroDock II compatible



### Hard Hat Clip

Secures a single-gas detector to the accessory slot on a hard hat



### Carrying Straps

Secures a single-gas detector to the operator's body or clothing

# MicroDock II

## Automate compliance and maintenance

The MicroDock II automated calibration, test and record storage system is a cost-effective way to manage the calibration and bump testing of BW's portable gas detectors.



	Bump Check	Calibrate	Configure	Download Events	Download Data	Charging	Non-Charging
<b>GasAlertClip Extreme</b>	•			•			•
<b>GasAlert Extreme</b>	•	•	•	•	•		•
<b>GasAlertMicroClip XT</b>	•	•	•	•	•	•	
<b>GasAlertMax XT II</b>	•	•	•	•	•	•	
<b>GasAlertQuattro</b>	•	•	•			•	•
<b>GasAlertMicro 5 Series</b>	•	•	•			•	•

*Calibration, bump testing, charging and data downloads are made simple with the press of a button.*

Fully portable and easily expandable, the MicroDock II requires no computer and provides simultaneous management of up to six docking modules.

Cost and time requirements for routine maintenance are reduced through the MicroDock II's sophisticated automatic calibration and test procedures. Instrument records are stored for easy retrieval in the MicroDock II and each individual gas detector. Each MicroDock II can be connected via a LAN connection.



The easy-to-read LCD screen shows the status of an instrument's calibration and bump test results. A pass or fail for the sensors, and audible/visual alarms are displayed.

- No computer required
- Fully portable
- Automatic bump test and calibration
- Expandable up to six modules
- Stores and updates calibration records
- Automatically tests audible and visual alarms
- Fleet Manager II software included
- Manage multiple MicroDock II systems via LAN

# MicroDock II

## MicroDock II Kits

MicroDock II kits are the ideal solution for effortless mobility. The Hard Case Kit holds a base station, docking module and a 34 L cylinder of calibration gas. The Heavy Duty Case Kit holds a base station, up to three docking modules and up to three 58 L cylinders of calibration gas in a waterproof case. Both kits can be customized to suit your application.



**MicroDock II Kit**



**MicroDock II Heavy Duty Kit**

## Accessories

The MicroDock II can be used with a variety of accessories, making management of your portable gas detectors easy.



**Vehicle Adaptor 12 Vdc**  
*Vehicle adaptor cable for base station power*



**Network USB**



**Wall Mounts**  
*One kit (two mounts) required to mount each module or base station*

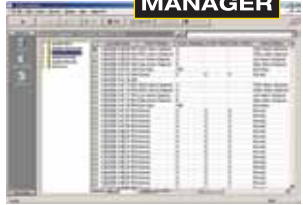


## Fleet Manager II Software

Download information faster than ever before directly from your BW instruments or the MicroDock II.

Create accurate and user-friendly reports automatically, view history, archive data easily, manage calibration and bump check records as well as sort, format and graph your data.

Improved functionality allows users to print receipts of calibration at the press of a button, produce reports in PDF format or Microsoft Excel, and select applicable devices with flexible settings. With traceability users can correlate items such as a user and their detector's record or track the use of a particular lot number of calibration gas.



### Compatible with:

**GasAlertMicroClip XT**  
**GasAlertMicro 5 Series**  
**GasAlertMax XT II**  
**GasAlertQuattro**

**GasAlert Extreme**  
**GasAlertClip Extreme**  
**MicroDock II**

## Calibration Gas



**Calibration Gas**



**Demand Flow Regulator**

**Cal Gas Wall Mount**  
*34 L available in red and black*  
*34 L and 58 L adjustable*  
*mount available*



## External motorized sampling pump

Designed for use with BW Technologies single and multi-gas diffusion detectors, the 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.



- Compatible with most BW Technologies diffusion instruments
- Compact and lightweight (6.2 oz. / 175 g)
- SamplerPak kits available with rechargeable or alkaline batteries

# Calibration/Test Equipment



## Calibration Gas

Available in 17, 34, 58 and 103 L (dependant upon gas type)



## Regulators

Variety of demand flow regulators and calibration gas regulators available



## Cal Gas Wall Mount

34 L available in red and black



## Cal Gas Adjustable Wall Mount

Available in 34 and 58 L



## Sampling Equipment

Customize your portable gas detector to suit specific applications and maximize performance with a wide variety of sampling accessories.



## Sampling Float

Sample draw above liquid surfaces



## Collapsible Probe

Available in two lengths



## Sampling Hose



## Manual Aspirator Pump

Simplify remote sampling; for use with GasAlert Extreme, GasAlertMicro 5 Series, GasAlertMicro and GasAlertMicroClip XT

## Contact Information

### Worldwide

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**Wear yellow. Work safe.**