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DATASHEET

Nationwide Low Call
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WHY BUY
WHEN YOU CAN HIRE

GasAlertMicro 5 Series

multi-gas detectors

Protect yourself

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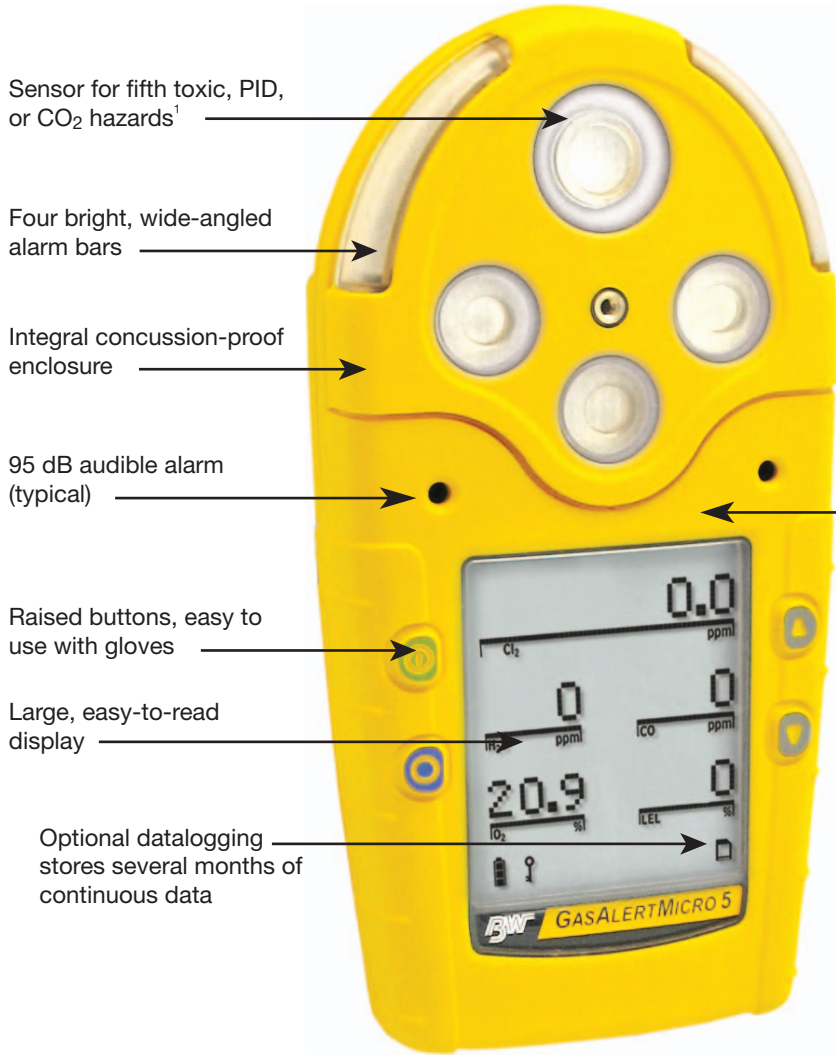
VOCs

CO_2

LEL

H_2S

CO

O_2

SO_2

PH_3

NH_3

NO_2

HCN

Cl_2

ClO_2

O_3

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

WATER RESISTANT

BW Technologies
by Honeywell

Wear yellow. Work safe.

Sensor for fifth toxic, PID, or CO_2 hazards[1]

Four bright, wide-angled alarm bars

Integral concussion-proof enclosure

95 dB audible alarm (typical)

Raised buttons, easy to use with gloves

Large, easy-to-read display

Optional datalogging stores several months of continuous data

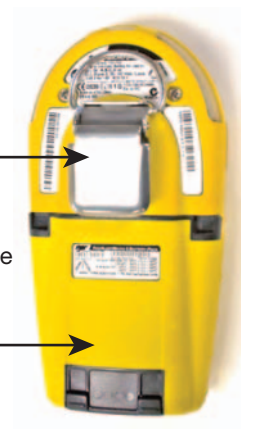Quickly switch from diffusion to integral pump option

Multiple charging options available

Internal vibrating alarm for high-noise areas

Stainless steel alligator clip

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

Instrument model differences

	GasAlertMicro 5	GasAlertMicro 5 PID	GasAlertMicro 5 IR
Gases Detected	H_2S, CO, O_2, SO_2, PH_3, NH_3, NO_2, HCN, Cl_2, ClO_2, O_3 and combustibles (LEL)	VOCs (PID), H_2S, CO, O_2, SO_2, PH_3, NH_3, NO_2, HCN, Cl_2, ClO_2, O_3 and combustibles (LEL)	CO_2 (IR), H_2S, CO, O_2, SO_2, NH_3, O_3 and combustibles (LEL)
Sensors	Plug-in, electrochemical cell (toxic and oxygen); catalytic (LEL)	Plug-in, electrochemical cell (toxic and oxygen); catalytic (LEL); Photoionization detector (PID) with 10.6 eV lamp for volatile organic compounds (VOCs)	Plug-in, electrochemical cell (toxic and oxygen); catalytic (LEL); infrared (IR) for carbon dioxide (CO_2)
Typical battery life[2]			
AA Alkaline	20 hours	15 hours	15 hours
Rechargeable	20 hours	15 hours	15 hours

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

Industrial Applications

Sensors

The GasAlertMicro 5 is available in three models: toxic/electrochemical, PID (for VOCs) or IR (for CO_2). For more information about available sensor configurations, please contact BW Technologies, or refer to the GasAlertMicro 5 Order and Pricing information located in the most recent BW Technologies price list.

Electrochemical and catalytic bead sensors available for:

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

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

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

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

GasAlertMicro 5

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

GasAlertMicro 5 PID

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

GasAlertMicro 5 IR

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

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

Standard features of BW products:

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

Additional GasAlertMicro 5 Features:

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

Options and Accessories

Integral pump and battery charger
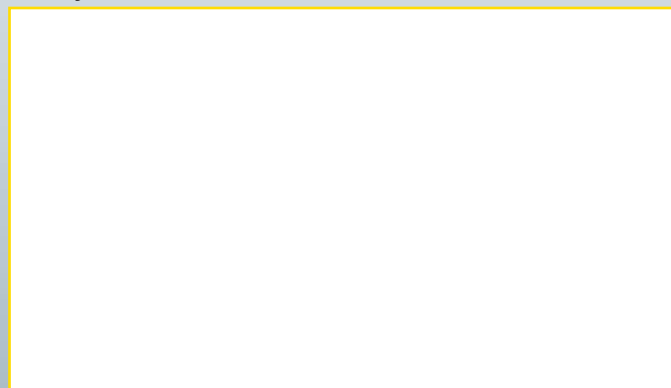
Confined space kit

Belt holster

Collapsible sampling probe

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

GasAlertMicro 5 Specifications

Size	5.7 x 2.9 x 1.5 in. / 14.5 x 7.4 x 3.8 cm
Weight	13.1 oz. / 370 g
Temperature	-4 to +122°F / -20 to +50°C -14 to +104°F / -10 to +40°C (PID)
Alarms	- Visual, vibrating, audible (95dB) - Low, High, STEL, TWA, OL (over limit)
Tests	Sensor integrity, circuitry, battery and audible/visual alarms on activation, battery (continuous)
Pump	Optional
User options	Confidence beep · Combustible gas measurement (% LEL or % by volume methane) Set STEL interval · O₂ auto calibration on start up Set TWA method Sensor on/off · Automatic backlight Latching alarms · Sleep mode Safe display mode · User-settable calibration gas level Stealth mode Adjust Clock · Calibration due lockout Set datalogger rate · Daily bump test Passcode protection · Language choices (5) Correction factor library (LEL, PID) · High resolution Fast pump
Ratings	EMI/RFI: Complies with EMC Directive 89/336/EEC IP 65/67
Certifications and approvals	Class I, Div. 1, Gr. A, B, C, D American Bureau of Shipping - Toxic & PID models **ATEX:** CE ⟨Ex⟩ II 1 G T4* Ex ia IIC T4* CE ⟨Ex⟩ II 2 G T4* - IR model only Ex d ia IIC T4* **IECEx:** 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 2 year warranty including sensors *(1 year NH₃ and PID lamp)*

Sensor Specifications

Gas	Measuring Range (ppm)	Default Resolution (ppm)	High Resolution (ppm)
H₂S	0-500	1.0	0.1
CO	0-999	1.0	N/A
TwinTox (H₂S)	0-500	1.0	0.1
TwinTox (CO)	0-500	1.0	N/A
O₂	0-30.0%	0.1%	N/A
SO₂	0-150	1.0	0.1
PH₃	0-5.0	1.0	0.1
NH₃	0-100	1.0	0.1
NO₂	0-99.9	1.0	0.1
HCN	0-30.0	1.0	0.1
Cl₂	0-50.0	1.0	0.1
ClO₂	0-1.0	0.1	0.01
O₃	0-1.0	0.1	0.01
PID (VOCs)	0-1000	1	N/A
IR (CO₂)	0-50,000 0-5.0% v/v	150 0.01%	N/A N/A
Combustible gases	0-100% LEL 0-5.0% v/v	1% 0.1%	N/A

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

Locally available from

BW Technologies
by Honeywell

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OUR COMMITMENT TO YOU

A wealth of knowledge and experience.

You can take advantage of expert advice to ensure you get the best, most appropriate and cost effective equipment for the job. We supply a wide variety of industries, so if there is another way to do the job or save you time and money we'll pass on the benefit of our experience for free.

Honest advice, just a phone call away.

If we don't have a particular item, rather than hiring you something that won't do the job, we would rather direct you to an alternative supplier. You will always be provided with full instructions and if you still need help, call our technical team on Nationwide Low Call 0333 6000 600. Our aim is to save you time, frustration and money.

Top quality equipment from major manufacturers.

With Inlec you'll get the most accurate, reliable and well-maintained equipment available. Prices are regularly reviewed to ensure you always enjoy the best value for money. We have made a significant investment in test equipment so we ensure that it's well packed to minimise damage and delay.

We really do listen to you.

You won't waste your time contacting Inlec. Every request for equipment is logged and carefully considered. Listening to our customers helps keep our product range up to date and relevant. If you are unhappy about any aspect of our service please let us know so we can put it right.

YOUR 5 WAY GUARANTEE

❶ GUARANTEE SAME DAY DESPATCH

We understand why prompt delivery is important to you. So, if we confirm your order before 3pm, you are guaranteed same day despatch.

❷ OUR PRICE GUARANTEE

Inlec guarantee you real value for money. Our price match policy is simple - if you can hire the same product for less elsewhere, we guarantee to match that price and reduce it by a further 10% of the difference - and still deliver our industry leading technical and customer support.

For full details check our price-match guarantee online

❸ TOP QUALITY GUARANTEED

All equipment is thoroughly checked prior to dispatch to ensure you receive it in full, safe working order. Your shipment will be securely packed and include manufacturer's instructions, accessories or consumables and a valid calibration certificate where appropriate. In addition, Inlec offer a 24 hour replacement service if you decide the equipment is not suitable for your application*.

❹ FRIENDLY, KNOWLEDGEABLE ADVICE GUARANTEED

Inlec are happy to provide you with free advice, from anunbeatable team of experienced, knowledgeable and friendly engineers and hire experts.

❺ YOUR GUARANTEE OF THE BEST CUSTOMER SERVICE

Throughout your hire we will work hard to ensure you enjoy the very best in support and service from Inlec. We guarantee you won't find better service anywhere in the industry.

*subject to availability and conditions

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