



GasAlertMicro 5 Series

multi-gas detectors



Protect yourself

Simultaneously monitor and display up to five atmospheric hazards with the GasAlertMicro 5 Series. Adaptable to a variety of applications, the GasAlertMicro 5 Series has an extensive selection of user-settable field options and is available as either a standard toxic gas model, a PID model for the detection VOCs, or an IR model for CO₂ detection. Use the passcode function to prevent unauthorized modifications of the instrument's settings. Compatible with BW's MicroDock II automatic test and calibration system, the GasAlertMicro 5 Series is unparalleled in its versatility, performance and overall value.



NEW

Generation 2 pump with visible integrated filter

VOCs

CO₂

LEL

H₂S

CO

O₂

SO₂

PH₃

NH₃

NO₂

HCN

Cl₂

ClO₂

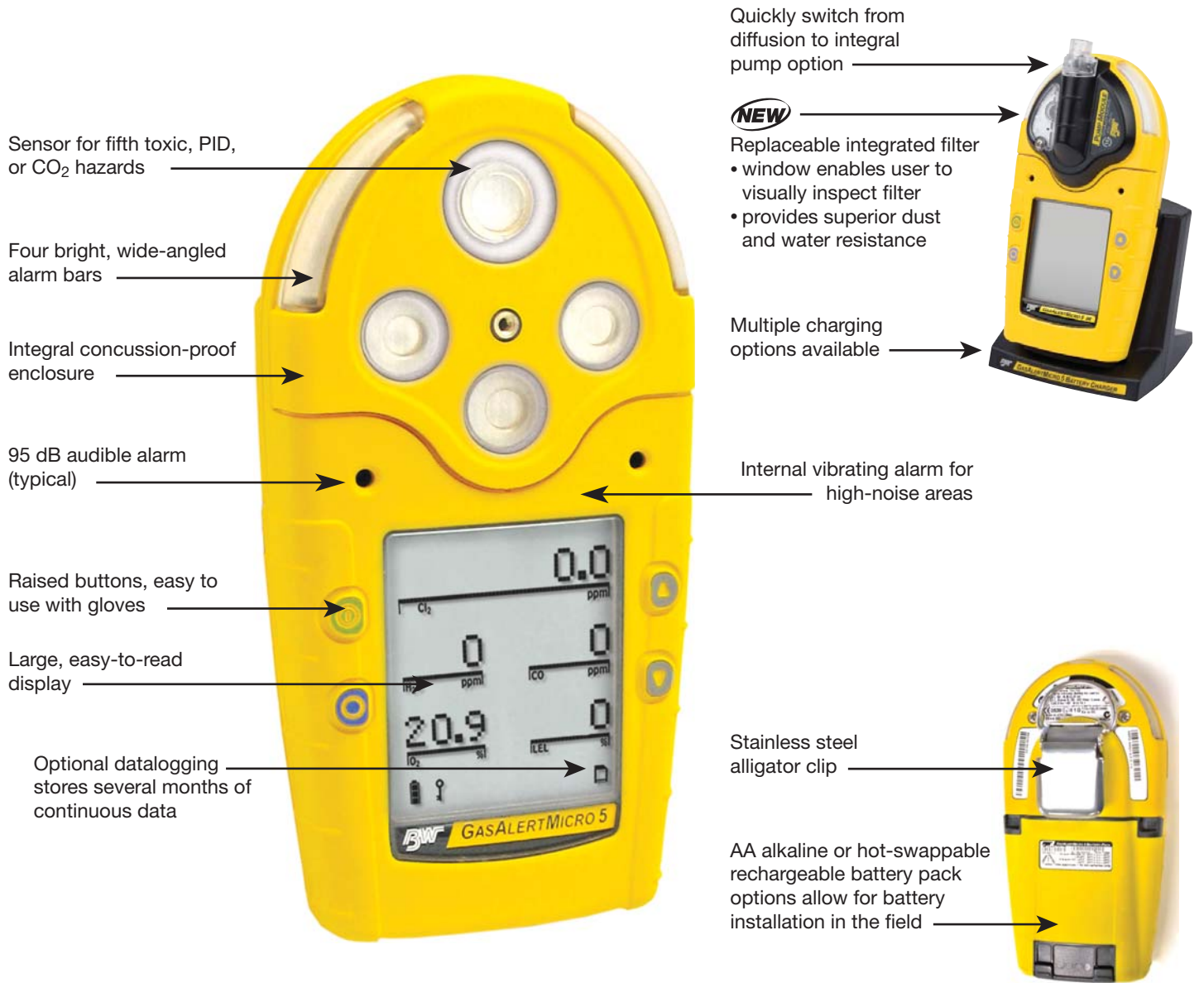
O₃

- 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.



Instrument model differences

| | GasAlertMicro 5 | GasAlertMicro 5 PID | GasAlertMicro 5 IR |
|---|--|--|--|
| Gases Detected | H ₂ S, CO, O ₂ , SO ₂ , PH ₃ , NH ₃ , NO ₂ , HCN, Cl ₂ , ClO ₂ , O ₃ and combustibles (LEL) | VOCs (PID), H ₂ S, 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 ₂ S, 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 life¹ | | | |
| AA Alkaline | 20 hours | 15 hours | 15 hours |
| Rechargeable | 20 hours | 15 hours | 15 hours |

¹Based 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.

Sensors

The GasAlertMicro 5 is available in three models: toxic/ electrochemical, PID (for VOCs) or IR (for CO₂). For more information about available sensor configurations, please contact BW Technologies by Honeywell.



Electrochemical and catalytic bead sensors available for:

- | | | |
|------------------|-----------------|--------------------|
| H ₂ S | 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 (CO₂) detection.

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

| GasAlertMicro 5 | |
|--------------------------------|--|
| Industry or Application | Sources of Additional Hazards |
| Confined Space Entry | Various sources - industrial chemicals |
| Wastewater Plants | Cl ₂ , NH ₃ , ClO ₂ from treatment |
| Steel / Iron Production | NO ₂ |
| Pulp and Paper | Cl ₂ from bleaching |
| Food and Beverage | NH ₃ from refrigerants, ice production PH ₃ from fumigation |
| Construction | Confined space entry, trenching, and NO ₂ from diesel exhaust |

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

| GasAlertMicro 5 IR | |
|---|--|
| Industry or Application | Sources of CO ₂ Hazards |
| Confined Space Entry | Respiration and aerobic bacterial decomposition |
| Wineries and Breweries | By-product of yeast fermentation |
| Agriculture | Greenhouses, mushroom farms use CO ₂ to enhance growth; also used to speed ripening of fruits and vegetables, aerobic bacteria in manure pits |
| Marine Fuel Transport / Shipping and Shipyards | Used for fire suppression and inerting cargo holds |
| Oil Well Fracturing | Injected into mature wells for further oil extraction |
| Wastewater Treatment | Aerobic bacteria |
| Food Industry / Cold Storage | Solid CO ₂ (dry ice) used as a refrigerant and for carbonation; CO ₂ used in packaging to extend storage shelf life |
| Industrial and Chemical Manufacturing | CO ₂ used in various processes |
| Landfills | Biodegradation (aerobic decomposition) of waste |







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

Standard features of BW products:

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

GasAlertMicro 5 Specifications

| | | |
|-------------------------------------|--|--|
| Size | 5.7 x 2.9 x 1.5 in. / 14.5 x 7.4 x 3.8 cm | |
| Weight | 13.1 oz. / 370 g | |
| Temperature | -4 to +122°F / -20 to +50°C 14 to +104°F / -10 to +40°C (PID) | |
| Alarms | - Visual, vibrating, audible (95 dB) - Low, High, STEL, TWA, OL (over limit) | |
| Tests | Sensor integrity, circuitry, battery and audible/visual alarms on activation, battery (continuous) | |
| Pump | Optional; Sample from up to 66 ft. / 20 m | |
| User options | Confidence beep | Combustible gas measurement (% LEL or % by volume methane) |
| | Set STEL interval | |
| | Set TWA method | |
| | Sensor on/off | O ₂ auto calibration on start up |
| | Latching alarms | Automatic backlight |
| | Safe display mode | Sleep mode |
| | Stealth mode | User-settable calibration gas level |
| | Adjust Clock | |
| | Set datalogger rate | Calibration due lockout |
| | Passcode protection | Daily bump test |
| | Correction factor library (LEL, PID) | Language choices (five) |
| | Fast pump | High resolution |
| Ratings | EMI/RFI: Complies with EMC Directive 89/336/EEC IP 65/66 | |
| Certifications and approvals |  Class I, Div. 1, Gr. A, B, C, D  American Bureau of Shipping - Toxic & PID models ATEX:  II 1 G Ga Ex ia IIC T4*  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 <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> | |
| Warranty | Full two year warranty including sensors (1 year NH ₃ , Cl ₂ , O ₃ , ClO ₂ and PID lamp) | |



Additional GasAlertMicro 5 Features:

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

Options and Accessories



Integral pump and battery charger



Confined space kit



Belt holster



Collapsible sampling probe

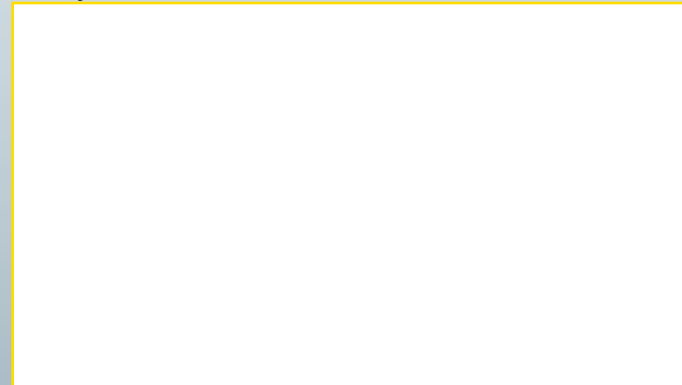
For a complete list of accessories, please contact BW Technologies.

Sensor Specifications

| Gas | Measuring Range (ppm) | Default Resolution (ppm) | High Resolution (ppm) |
|---------------------------------|--------------------------|--------------------------|-----------------------|
| 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 | 50 0.01% | N/A N/A |
| Combustible gases | 0-100% LEL 0-5.0% v/v | 1% 0.1% | N/A |

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

Locally available from



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

Corporate Headquarters

2840 - 2 Avenue S.E.
Calgary, AB, Canada T2A 7X9
Phone: +1.403.248.9226
Toll free: 1.800.663.4164

USA 1.888.749.8878
Europe +44 (0)1295.700.300
France +33 (0) 442.98.17.70
Germany 49 (0) 2137.17.6522

Middle East +971.4.887.1766
S.E. Asia +65.6580.3468
China +86.10.6786.7305
Australia +61.3.9464.2770

Latin America +55.11.3475.1873
Other Countries +1.403.248.9226

www.gasmonitors.com

info@gasmonitors.com