



# GasAlertMicro5 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 CO<sub>2</sub> 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
- CO<sub>2</sub>
- LEL
- H<sub>2</sub>S
- CO
- O<sub>2</sub>
- SO<sub>2</sub>
- PH<sub>3</sub>
- NH<sub>3</sub>
- NO<sub>2</sub>
- HCN
- Cl<sub>2</sub>
- ClO<sub>2</sub>
- O<sub>3</sub>

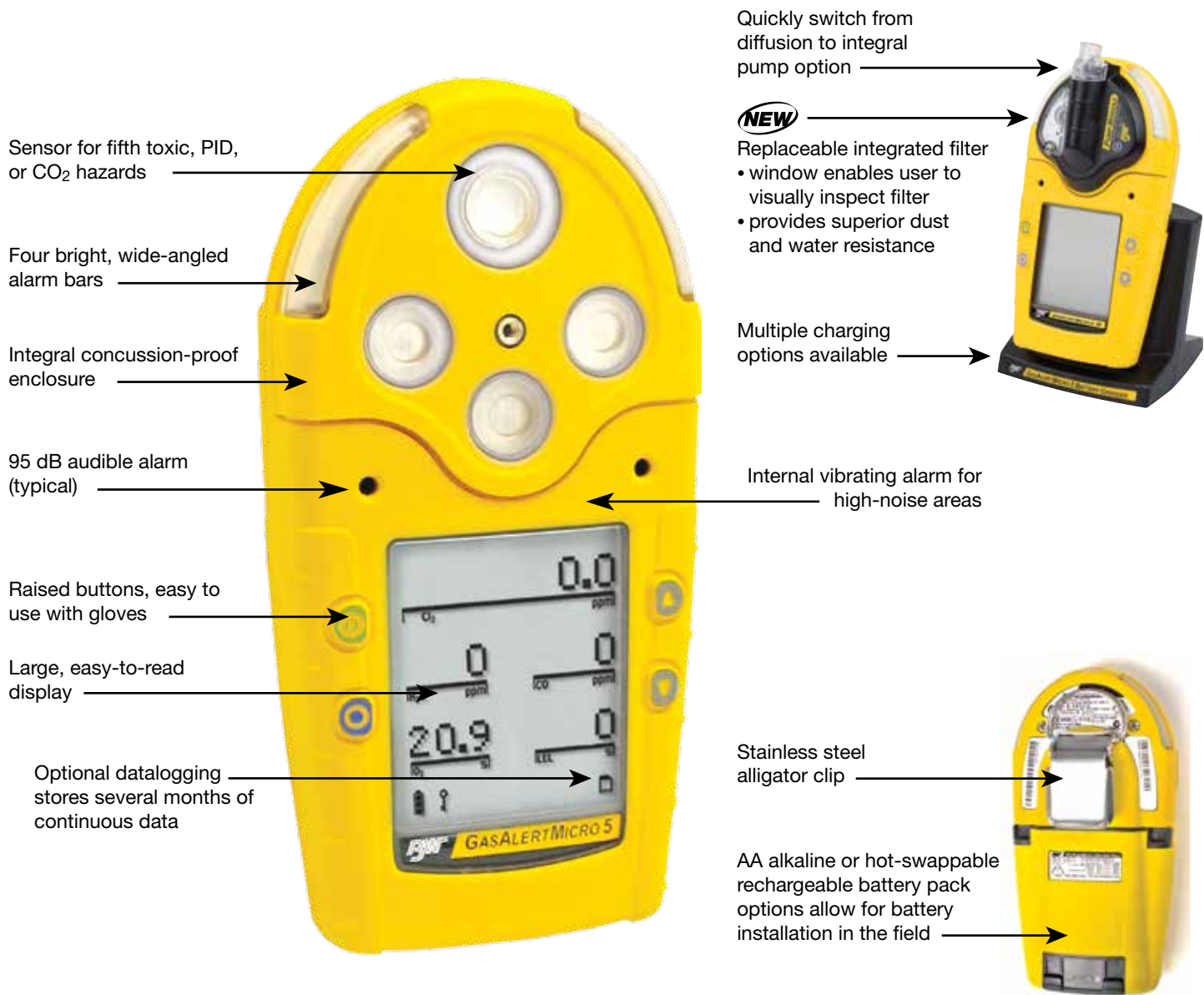
- Measure up to five atmospheric hazards concurrently
- Fully customizable to suit any application
- Rapidly switch from diffusion mode to the optional integrated pump in the field

**WATER RESISTANT** 

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PROTECTING YOU SINCE 1953

**BW Technologies**  
by Honeywell

**Wear yellow. Work safe.**



**Instrument model differences**

|   | GasAlertMicro 5  | GasAlertMicro 5 PID  | GasAlertMicro 5 IR   |
|---|--|--|--|
| <b>Gases Detected</b>                   | 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> and combustibles (LEL) | VOCs (PID), 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> and combustibles (LEL) | CO <sub>2</sub> (IR), H <sub>2</sub> S, CO, O <sub>2</sub> , SO <sub>2</sub> , NH <sub>3</sub> , O <sub>3</sub> and combustibles (LEL) |
| <b>Sensors</b>                          | 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 <sub>2</sub> )                 |
| <b>Typical battery life<sup>1</sup></b> |  |  |  |
| <b>AA Alkaline</b>                      | 20 hours   | 15 hours   | 15 hours   |
| <b>Rechargeable</b>                     | 20 hours   | 15 hours   | 15 hours   |

<sup>1</sup>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.

**Sensors**

The GasAlertMicro 5 is available in three models: toxic/electrochemical, PID (for VOCs) or IR (for CO<sub>2</sub>). For more information about available sensor configurations, please contact BW Technologies by Honeywell.



Electrochemical and catalytic bead sensors available for:

- H<sub>2</sub>S      CO      O<sub>2</sub>
- SO<sub>2</sub>      Cl<sub>2</sub>      ClO<sub>2</sub>
- NH<sub>3</sub>      PH<sub>3</sub>      HCN
- NO<sub>2</sub>      O<sub>3</sub>      Combustibles (LEL)



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



Infrared (IR) gold series sensors available for carbon dioxide (CO<sub>2</sub>) 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).

| <b>GasAlertMicro 5</b>                                |  |
|---|--|
| Industry or Application                               | Sources of Additional Hazards  |
| <b>Confined Space Entry</b>                           | Various sources - industrial chemicals   |
| <b>Wastewater Plants</b>                              | Cl <sub>2</sub> , NH <sub>3</sub> , ClO <sub>2</sub> from treatment  |
| <b>Steel / Iron Production</b>                        | NO <sub>2</sub>  |
| <b>Pulp and Paper</b>                                 | Cl <sub>2</sub> from bleaching   |
| <b>Food and Beverage</b>                              | NH <sub>3</sub> from refrigerants, ice production<br>PH <sub>3</sub> from fumigation   |
| <b>Construction</b>                                   | Confined space entry, trenching, and NO <sub>2</sub> from diesel exhaust   |
| <b>GasAlertMicro 5 PID</b>                            |  |
| Industry or Application                               | Sources of VOC Hazards   |
| <b>Confined Space Entry</b>                           | Respiration and aerobic bacterial decomposition  |
| <b>Hazmat / Homeland Security</b>                     | Detect flammables not detected by LEL sensor (diesel, gasoline vapor, turpentine, etc)   |
| <b>Industrial Hygiene and Confined Space</b>          | Wide number of potential hazards (benzene, diesel, ethanol, toluene, etc.) dependant on industry   |
| <b>Airlines (wing-tank entry)</b>                     | Jet fuel not detectable by LEL sensor, PID required  |
| <b>Landfills</b>                                      | Decomposing organic matter, emission of chemical compounds   |
| <b>Oil and Gas</b>                                    | By-products of refining processes  |
| <b>Chemical Plants</b>                                | Number of potential hazards dependant on product and process of manufacturing  |
| <b>GasAlertMicro 5 IR</b>                             |  |
| Industry or Application                               | Sources of CO <sub>2</sub> Hazards   |
| <b>Confined Space Entry</b>                           | Respiration and aerobic bacterial decomposition  |
| <b>Wineries and Breweries</b>                         | By-product of yeast fermentation   |
| <b>Agriculture</b>                                    | Greenhouses, mushroom farms use CO <sub>2</sub> to enhance growth; also used to speed ripening of fruits and vegetables, aerobic bacteria in manure pits |
| <b>Marine Fuel Transport / Shipping and Shipyards</b> | Used for fire suppression and inerting cargo holds   |
| <b>Oil Well Fracturing</b>                            | Injected into mature wells for further oil extraction  |
| <b>Wastewater Treatment</b>                           | Aerobic bacteria   |
| <b>Food Industry / Cold Storage</b>                   | Solid CO <sub>2</sub> (dry ice) used as a refrigerant and for carbonation; CO <sub>2</sub> used in packaging to extend storage shelf life                |
| <b>Industrial and Chemical Manufacturing</b>          | CO <sub>2</sub> used in various processes  |
| <b>Landfills</b>                                      | 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

|                                     |  |   |
|-------------------------------------|--|---|
| <b>Size</b>                         | 5.7 x 2.9 x 1.5 in. / 14.5 x 7.4 x 3.8 cm  |   |
| <b>Weight</b>                       | 13.1 oz. / 370 g   |   |
| <b>Temperature</b>                  | -4 to +122°F / -20 to +50°C<br>14 to +104°F / -10 to +40°C (PID)   |   |
| <b>Alarms</b>                       | - Visual, vibrating, audible (95 dB)<br>- Low, High, STEL, TWA, OL (over limit)  |   |
| <b>Tests</b>                        | Sensor integrity, circuitry, battery and audible/visual alarms on activation, battery (continuous)   |   |
| <b>Pump</b>                         | Optional; Sample from up to 66 ft. / 20 m  |   |
| <b>User options</b>                 | Confidence beep<br>Set STEL interval<br>Set TWA method<br>Sensor on/off<br>Latching alarms<br>Safe display mode<br>Stealth mode<br>Adjust Clock<br>Set datalogger rate<br>Passcode protection<br>Correction factor library (LEL, PID)<br>Fast pump   | Combustible gas measurement (% LEL or % by volume methane)<br>O <sub>2</sub> auto calibration on start up<br>Automatic backlight<br>Sleep mode<br>User-settable calibration gas level<br>Calibration due lockout<br>Daily bump test<br>Language choices (five)<br>High resolution |
| <b>Ratings</b>                      | EMI/RFI: Complies with EMC Directive 89/336/EEC IP 65/66   |   |
| <b>Certifications and approvals</b> |  Class I, Div. 1, Gr. A, B, C, D<br> American Bureau of Shipping - Toxic & PID models<br><b>ATEX:</b>   II 1 G<br>Ga Ex ia IIC T4*<br>  II 2 G - IR model only<br>Ex d ia IIC T4*<br><b>IECEX:</b> Ga Ex ia IIC T4*<br>Ex d ia IIC T4* - IR model only<br><b>CE:</b> European Conformity<br><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> |   |
| <b>Warranty</b>                     | Full two year warranty including sensors (1 year NH <sub>3</sub> , Cl <sub>2</sub> , O <sub>3</sub> , ClO <sub>2</sub> 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) |
|---------------------------------|-----------------------|--------------------------|-----------------------|
| <b>H<sub>2</sub>S</b>           | 0-500                 | 1.0                      | 0.1                   |
| <b>CO</b>                       | 0-999                 | 1.0                      | N/A                   |
| <b>TwinTox (H<sub>2</sub>S)</b> | 0-500                 | 1.0                      | 0.1                   |
| <b>TwinTox (CO)</b>             | 0-500                 | 1.0                      | N/A                   |
| <b>O<sub>2</sub></b>            | 0-30.0%               | 0.1%                     | N/A                   |
| <b>SO<sub>2</sub></b>           | 0-150                 | 1.0                      | 0.1                   |
| <b>PH<sub>3</sub></b>           | 0-5.0                 | 1.0                      | 0.1                   |
| <b>NH<sub>3</sub></b>           | 0-100                 | 1.0                      | 0.1                   |
| <b>NO<sub>2</sub></b>           | 0-99.9                | 1.0                      | 0.1                   |
| <b>HCN</b>                      | 0-30.0                | 1.0                      | 0.1                   |
| <b>Cl<sub>2</sub></b>           | 0-50.0                | 1.0                      | 0.1                   |
| <b>ClO<sub>2</sub></b>          | 0-1.0                 | 0.1                      | 0.01                  |
| <b>O<sub>3</sub></b>            | 0-1.0                 | 0.1                      | 0.01                  |
| <b>PID (VOCs)</b>               | 0-1000                | 1                        | N/A                   |
| <b>IR (CO<sub>2</sub>)</b>      | 0-50,000              | 50                       | N/A                   |
|                                 | 0-5.0% v/v            | 0.01%                    | N/A                   |
| <b>Combustible gases</b>        | 0-100% LEL            | 1%                       | N/A                   |
|                                 | 0-5.0% v/v            | 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



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