

GasAlertMicro 5 Series

multi-gas detectors

VOCs

 CO_2

LEL

H₂S

CO

 O_2

SO₂

PH₃

NH₃

 NO_2

HCN

 Cl_2

CIO₂

 O_3



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.











- 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







| 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) | $\rm CO_2$ (IR), $\rm H_2S$, $\rm CO$, $\rm O_2$, $\rm SO_2$, $\rm NH_3$, $\rm O_3$ 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 ¹ | | | | | | | |
| AA Alkaline Rechargeable | | 15 hours 15 hours | 15 hours 15 hours | | | | |

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 CO₂). For more information about available sensor configurations, please contact BW Technologies by Honeywell.



Electrochemical and catalytic bead sensors available for:

 $\begin{array}{ccc} H_2S & CO & O_2 \\ SO_2 & Cl_2 & ClO_2 \\ NH_3 & PH_3 & HCN \end{array}$

NO₂ O₃ Combustibles (LEL)



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



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



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

| One Alexandriana E | | |
|---|--|--|
| GasAlertMicro 5 | 0 (41) | |
| 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 | $\mathrm{NH_3}$ from refrigerants, ice production $\mathrm{PH_3}$ 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 | |

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

| GasAlertMi | cro 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 | |
| | Set STEL interval | | |
| | Set TWA method | % by volume methane) | |
| | Sensor on/off | O ₂ auto calibration on start up | |
| | Latching alarms | Automatic backlight | |
| | Safe display mode | Sleep mode | |
| | Stealth mode | User-settable calibration | |
| | Adjust Clock | gas level | |
| | Set datalogger rate | Calibration due lockout | |
| | Passcode protection | Daily bump test | |
| | Correction factor library | Language choices (five) | |
| | (LEL, PID) | High resolution | |
| | Fast pump | | |
| 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: 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* CE Ga Ex ia IIC T4* Ex d ia IIC T4* Ex d ia IIC T4* CE Ga Ex ia IIC T4* Ex d ia IIC T4* CE Ga Ex ia IIC T4* Ex d ia IIC T4* CE Ga Ex ia IIC T4* Ex d ia IIC T4* CE Ga Ex ia IIC T4* Ex d ia IIC T4* CE Ga Ex ia IIC T4* Ex d ia IIC T4* CE Ga Ex ia IIC T4* Ex d ia IIC T4* CE Ga Ex ia IIC T4* Ex d ia IIC T4* CE Ga Ex ia | | |
| Warranty | Full two year warranty including sensors | | |

(1 year NH₃, Cl₂, O₃, ClO₂ 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) | | | |
| H ₂ S | 0-500 | 1.0 | 0.1 | | | |
| CO | 0-999 | 1.0 | N/A | | | |
| TwinTox (H ₂ S) | 0-500 | 1.0 | 0.1 | | | |
| TwinTox (CO) | 0-500 | 1.0 | N/A | | | |
| 02 | 0-30.0% | 0.1% | N/A | | | |
| SO ₂ | 0-150 | 1.0 | 0.1 | | | |
| PH ₃ | 0-5.0 | 1.0 | 0.1 | | | |
| NH ₃ | 0-100 | 1.0 | 0.1 | | | |
| NO ₂ | 0-99.9 | 1.0 | 0.1 | | | |
| HCN | 0-30.0 | 1.0 | 0.1 | | | |
| Cl ₂ | 0-50.0 | 1.0 | 0.1 | | | |
| CIO ₂ | 0-1.0 | 0.1 | 0.01 | | | |
| 03 | 0-1.0 | 0.1 | 0.01 | | | |
| PID (VOCs) | 0-1000 | 1 | N/A | | | |
| IR (CO ₂₎ | 0-50,000 | 50 | N/A | | | |
| | 0-5.0% v/v | 0.01% | N/A | | | |
| Combustible | 0-100% LEL | 1% | N/A | | | |
| gases | 0-5.0% v/v | 0.1% | 1 W / \ | | | |
| Alarm set points for all sensors are user adjustable. Set point(s) are automatically displayed | | | | | | |

during instrument start up.

Locally available from

