



# GasAlertMicro 5

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

## Five-Gas Detector



### Protect Yourself

- △ Smaller and over 50% lighter than competitive instruments
- △ Water-resistant design in an integral concussion-proof enclosure
- △ Continuous LCD shows simultaneous gas concentrations for five gases
- △ Integral motorized pump option for remote sampling
- △ Two power options: AA alkaline or rechargeable hot-swappable battery packs
- △ Provides 95 dB alarm tone and two bright wide-angled alarm bars
- △ Equipped with internal vibrating alarm for high noise areas
- △ Multi-language support in English, French, German, Spanish, and Portuguese
- △ Three backlight options: standard—activates in low light (auto), in alarm (auto) and reactivates on-demand; alarm only—activates in alarm conditions and reactivates on-demand; stealth mode
- △ Four alarm levels: instantaneous Low and High Alarm for all gases; TWA (time-weighted average) and STEL (short-term exposure limit) for toxic gases
- △ Simple automatic calibration procedure; compatible with BW MicroDock II automatic test and calibration station
- △ Records TWA, STEL, and maximum exposures to gas and displays readings on command
- △ User selectable field options include: language selection, confidence beep, span level, set TWA/STEL calculation choice, set calibration due date, pass code protection, latching alarm, "SAFE" display function, stealth mode, and selectable ppm resolution for some gases (e.g. SO<sub>2</sub> 0.1 ppm)
- △ Full function self-test of: sensor, battery and circuit integrity; and audible/visual alarms



**Water  
Resistant**



**GasAlertMicro 5** with integrally attached pump



Optional rechargeable battery and slip-in cradle charger

### Ordering Information

GasAlertMicro 5 is delivered ready for use with sensors (as specified), sensor compartment cover for diffusion operation, battery (as specified), stainless steel alligator belt clip, calibration hose/cap, instructions in local languages and interactive training CD.

#### Battery/Charger Options

Three AA alkaline batteries

Rechargeable battery pack and desktop/wall mountable slip-in cradle charger

#### User-Downloadable Datalogger Option

Datalogging versions include 32 MB MMC card, software and an IR port for use with the MicroDock II automated calibration and test station.

#### Pump Option

Includes detector, standard accessories plus integrally attached motorized pump and cover (installed), 12 in./30 cm sample probe with hydrophobic barrier (water trap) and particulate filters, 5 ft./1.5 m sampling tubing, five spare particulate filters, and one spare water trap filter.

#### Value Added Confined Space Kits

Kits include detector, standard accessories plus a hard-sided, foam-lined carrying case, 10 ft./3 m sampling hose, sample probe, battery power (as specified), 34 L calibration gas cylinder(s) with regulator(s).

#### Accessories

MMC USB Reader

Manual Aspirator Pump

MicroDock II—Automatic Calibration and Test Station

Vehicle Charger

Carrying Holster

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

Email: [info@bwt.net](mailto:info@bwt.net)

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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

## Five-Gas Detector

**GasAlertMicro 5** portable gas detector simultaneously monitors and displays up to five potential atmospheric hazards including oxygen, combustible gases and a range of toxic gases. Compact and lightweight, **GasAlertMicro 5** adds multi-gas detection to BW Technologies' water-resistant line of detectors. Audible, visual and vibrator alarms activate in the event of a low, high, TWA or STEL alarm condition. An optional motorized pump is available.

Beyond features that come standard with BW portable instruments such as confidence beep, full function self test, automatic calibration and passcode protection, **GasAlertMicro 5** offers an extended selection of user-settable field options now including: stealth mode, backlight options, selectable ppm resolution, STEL / TWA measurement choice, combustible correction factor options, user-settable calibration gas concentrations and multi-language support.

"INNOVATORS IN GAS DETECTION"



### For further information:

1-888-749-8878 USA  
1-800-663-4164 Canada  
+44 (0) 1869 233004 Europe  
+971-4-8871766 Middle East  
+61-438-887-232 Australia  
+852-2974-1783 China  
+65-6465-4151 South East Asia  
+1-403-248-9226 Other Countries

### Corporate Headquarters

2840 - 2 Avenue S.E.  
Calgary, AB, Canada T2A 7X9  
Phone: +1-403-248-9226  
Fax: +1-403-273-3708

Email: info@bwt.net.com  
www.gasmonitors.com

BW1078-01-01-00-8.25x11-20050503-5612-6

## SPECIFICATIONS

DETECTOR: 1, 2, 3, 4, or 5-gas detector

Gas	Measuring range	Resolution	TWA	STEL	LOW	HIGH
O <sub>2</sub>	0-30.0%	0.1	N/A	N/A	19.5	23.5
CO	0-999 ppm	1.0	35	50	35	200
H <sub>2</sub> S	0-300 ppm	1.0	10	15	10	15
PH <sub>3</sub>	0-5.0 ppm	0.1	0.3	1.0	0.3	1.0
SO <sub>2</sub>	0-100 ppm	0.1	2	5	2	5
NO <sub>2</sub>	0-99.9 ppm	0.1	2.0	5.0	2.0	5.0
HCN	0-30.0 ppm	0.1	4.7	10.0	4.7	10.0
Cl <sub>2</sub>	0-50.0 ppm	0.1	0.5	1.0	0.5	1.0
NH <sub>3</sub>	0-100 ppm	1.0	25	35	25	50
ClO <sub>2</sub>	0-1.00 ppm	0.01	0.1	0.3	0.1	0.3
O <sub>3</sub>	0-1.00 ppm	0.01	0.1	0.1	0.1	0.1
LEL	0-100% LEL 0-5% v/v	1% High Range Resolution	N/A	N/A	10%	20%

Auto zero: Yes

Calibration: Automatic

Backlight:

Sensor:

User field options:

### ALARM INDICATORS:

Visual alarms:

Audible alarm:

Vibrator alarm:

Status alarms:

### ALARM LEVELS:

### LCD:

Gases monitored:

Gas concentration:

Peak (max)/STEL/  
TWA ppm or %:

Alarm setpoints:

Calibration due date:

Clock:

### TESTS:

Full function self-test:

Battery:

### GENERAL SPECIFICATIONS:

Operating temperature:

Humidity:

EMI/RFI:

Protection:

Battery Options:

Size:

Weight:

WARRANTY:

### DATALOGGER OPTIONS:

Data recorder:

Sampling rate:

Storage:

Pump:

Standard Mode: low light (auto); alarm condition (auto); reactivation on demand  
Alarm Only Mode: alarm condition (auto); reactivation on demand  
Stealth Mode: backlight inactive; audible and visual alarms silenced

Plug-in, electrochemical cell (toxic and oxygen); catalytic (LEL)

Confidence beep, set STEL period, force calibration on start-up, enable / disable sensor, pass code protection, latching alarms, span level, passed calibration user-lockout option, "SAFE" display function, stealth mode, fast pump, oxygen auto-cal on start-up, alarm only backlight mode, combustible gas measurement (% LEL or % by volume methane), LCD language option, STEL calculation choice, TWA calculation choice, combustible correction factor options, user-settable calibration gas level, clock

Clearly advises alarm conditions with audible, visual, and vibrator alarms

Two flashing alarm bars visible from all angles

LCD indicates gas present and alarm levels encountered

Typically 95 dB at 1 ft. / 30 cm variable pulsed audible alarm

Pulses warning in gas alarm conditions, or for any status alarms

Low battery, over range, multiple gas / pump and failed or missing sensor

Instantaneous Low Alarm for all gases; Instantaneous High Alarm for all gases;

TWA (time-weighted average) and STEL (short-term exposure limit) for toxics

Continuous, alphanumeric gas readout and status display advises:

H<sub>2</sub>S, CO, O<sub>2</sub>, SO<sub>2</sub>, PH<sub>3</sub>, NO<sub>2</sub>, NH<sub>3</sub>, HCN, Cl<sub>2</sub>, ClO<sub>2</sub>, O<sub>3</sub>, and/or combustibles (0-100% LEL or 0-5.0% methane)

Simultaneously and continuously displays gas concentration(s) for all sensors (in ppm, % LEL, or % v/v)

Records exposures and displays on demand

Displayed on activation and on demand

In days remaining (on start-up)

Real-time clock setting displayed on start-up

Sensor integrity, circuitry, battery and audible/visual alarms on activation

Continuous

Rugged, composite material; two-shot molded polymer case with integral anti-shock boot

-4 to 122 °F / -20 to 50 °C

0 - 95% RH (non-condensing)

Complies with EMC Directive 89/336/EEC

Highly water resistant and dust proof housing

23 hours on three AA alkaline cells or 20 hours on rechargeable "hot-swappable" battery pack when equipped with oxygen, combustible, TwinTox (H<sub>2</sub>S/CO) and one additional toxic sensor

5.7 x 2.9 x 1.5 in. / 14.5 x 7.4 x 3.8 cm

13.1 oz. / 370 g

Full 2-year warranty including all sensors (1 year NH<sub>3</sub> sensor)

User-downloadable datalogger

All events and occurrences (calibration zero adjustment, calibration span adjustment, gas readings, TWA, STEL, alarm condition, failures detected by the microprocessor).

Factory set at 5-second intervals and user-settable from 1 to 127-second intervals

2 months of continuous data at 5 second intervals via 32 MB Flash MMC card

(64 MB and 128 MB cards also available); when full, the wrap-around feature

replaces oldest data with most recent data

Tubing length up to 100 ft. / 30 m (50 ft. / 15 m standard) with user options

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

RATINGS AND CERTIFICATIONS:  
(Intrinsic safety)



Class I, Div. 1, Gr. A, B, C, D



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