

Introducing

GasAlertMicro

H₂S, CO, O₂ and Combustibles

Multi-Gas Detector



ACTUAL SIZE



ISO 9001

"INNOVATORS IN GAS DETECTION"



www.gasmonitors.com

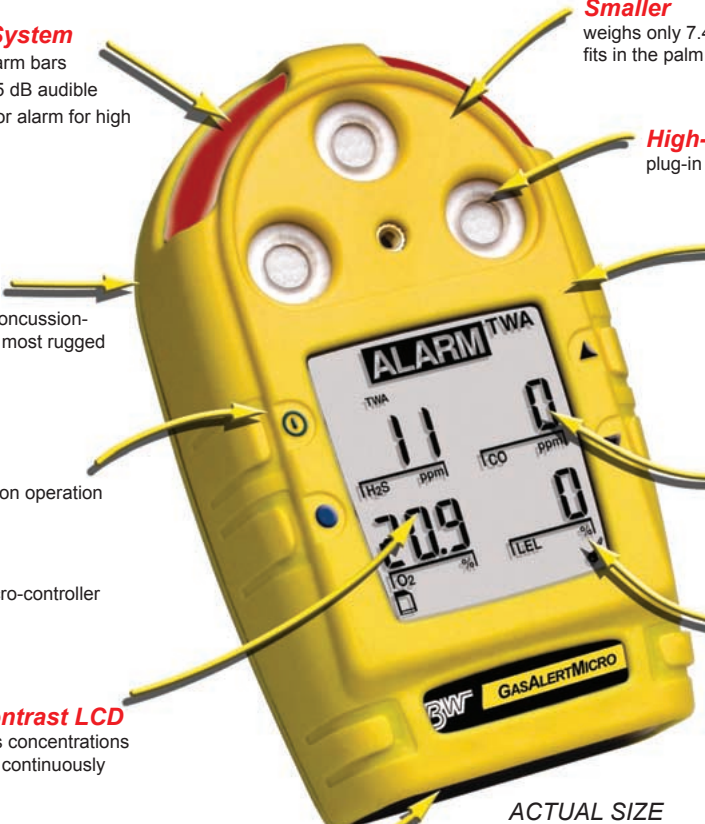
Email: info@bwt.net

GasAlertMicro

Multi-Gas Detector

Just as cell phones and palm pilots have become smaller, smarter and more affordable, BW Technologies has used the same principles to bring portable gas detection into the 21st century. *GasAlertMicro*, the new safety leader, is designed with cutting-edge technology, ensuring field-friendly operation and a lower cost of ownership.

The *GasAlertMicro* multi-gas detector monitors for 2, 3 or 4 hazardous gases simultaneously and continuously—combustibles, oxygen (deficiency/enrichment), hydrogen sulfide and carbon monoxide.



Triple Alarm System

- ▲ Dual visual alarm bars
- ▲ High-output 95 dB audible
- ▲ Internal vibrator alarm for high noise areas

Smaller
weighs only 7.4 oz. (211 g) and fits in the palm on your hand

High-performance
plug-in sensors

Peak Values on Command
records and displays exposures encountered:

- ▲ TWA (time-weighted average)
- ▲ STEL (short-term exposure levels)
- ▲ Maximum Gas Exposures

Tougher
Equipped with integral concussion-proof boot for use in the most rugged environments

Backlight Auto and On Demand

- ▲ Low light—auto
- ▲ Alarm condition—auto
- ▲ On demand

Single pushbutton operation

Advanced micro-controller operation

Field Select to Measure
combustible gas

- ▲ 0–100% LEL or
- ▲ 0–5.0% methane

Large High Contrast LCD
shows real-time gas concentrations simultaneously and continuously

Power Choices

- ▲ AA alkaline disposable cells standard (≈16 hours)
- ▲ Optional rechargeable NiMH batteries (≈10 hours) available at local stores

Datalogger Models include 32 MB flash MMC data storage card

ACTUAL SIZE

UNOBTRUSIVE AND CONVENIENT

Simply press to release the lock and slide open the battery drawer for easy field replacement.



- Tough, Durable Construction -

The compact, lightweight GasAlertMicro fits in the palm of your hand. Water and dust resistant, the GasAlertMicro is designed to withstand a 6 ft. (2 m) drop test, allowing it to perform in the most adverse environments.

- Larger, User Friendly LCD -

The high-definition alphanumeric display shows all current conditions and advises when automatic functions take place. *Never fear in the dark*—the backlight illuminates automatically in low light conditions and in all alarm conditions.

- Auto ON Functions -

Ensuring the instrument is ready for use, GasAlertMicro tests all features and functions each time it is turned on. Sensors and circuitry integrity are also tested. Current alarm setpoints are displayed, the oxygen sensor is calibrated and all display elements and alarms are activated. Datalogger models display the time and date. You are also advised when the next calibration is due.



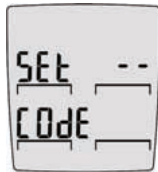
- Automatic Sensor Calibration -

Auto zero the sensors, at any time, without calibration gas. Calibrate one or all four sensors automatically, simply apply gas. GasAlertMicro tests the gas applied. If the gas does not meet expected parameters, GasAlertMicro exits calibration mode, preventing improper calibration. All previous data is retained.

- User Field Options -

GasAlertMicro provides the flexibility you require.

- ▲ **Confidence Beep**
- ▲ **Pass Code Protection**—restricts access to calibration, alarm setpoint and calibration due functions.
- ▲ **Safe Display Mode**
- ▲ **Latched Gas Alarms**—sound until acknowledged.
- ▲ **Combustibles Selection**—select to measure 0-100% LEL or methane 0-5.0% v/v.
- ▲ **Set Calibration Due Date**



DATALOGGER MODELS

- ▲ **Real-time Clock/Calendar**—Set time and date.
- ▲ **Sampling Interval**—Set from 1 to 127 seconds.

- Affordable -

User friendly operation results in lower training, operating and maintenance costs. Coupled with the low purchase price, this advantage makes the GasAlertMicro the most affordable industrial multi-gas detector.

STATUS at a Glance: Information and guidance is provided quickly and clearly.

	Alarm Advise Alarm icons light to advise the alarm level and type: instant LOW, instant HIGH, STEL (short-term exposure level) and TWA (time-weighted average).
	Automatic Calibration Auto zero the sensors at any time. Calibrate one or all four sensors, simply apply gas when the flashing Auto Span icon lights.
	Power Continually tested, the low battery alarm advises when power is low.
	Pass Code Protection for calibration and alarm setpoints and calibration due date.

- Additional Features and Functions -

- Four (4) levels of alarm: instant LOW, instant HIGH, TWA and STEL.
- Low Battery Warning provides a 30 minute alert.
- GasAlertMicro *cannot* be accidentally shut OFF.
- Automatic shutdown prevents unsafe usage.
- Defective or missing sensor alarm.
- Over Limit alarm and Multi-gas alarm protection.

- More for Less -

GasAlertMicro provides the most advanced safety protection and the best value in a multi-gas detector on the market today.

Take the Work Out of Datalogging

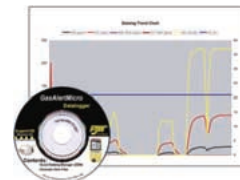
With automatic data storage no training is required for operation or data retrieval.



Data is stored on a digital flash MultiMediaCard (32 MB standard). A warning advises if the card is not present. Wraparound memory ensures recent data is always saved.

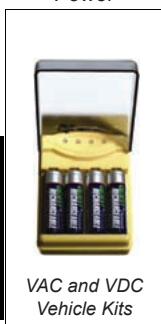
Data storage capacity is extraordinary. Store over 4 months of data given a 5 second recording interval and a 32 MB card. Set the recording interval anywhere from 1 second to 127 seconds per record, as desired.

Using the GasAlertMicro free E.D.M. (Excel Datalog Manager) simplifies data management. Create reports, sort, format and graph data automatically. View history, calculate exposures and archive easily.



Accessories, Options and Spares — the right tool is available for the job

Rechargeable Power



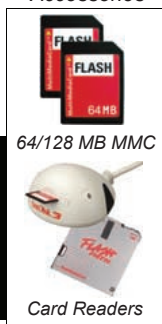
Sampling Options



Instructional Materials



Datalogger Accessories



Calibration Equipment



Confined Space Kits



GasAlertMicro

H₂S, CO, O₂
and Combustibles

Multi-Gas Detector

RATINGS AND CERTIFICATIONS:
(Intrinsic safety)

Classified to US and Canadian Standards by CSA:

Class I, Div. 1, Groups A, B, C, D
Class I, Zone 0, Gr. IIC

Combustible Gas Performance Certified to:

ANSI/ISA-S12.13
CSA C22.2 No.152

European (ATEX) Certification and
Australian Approval pending

SPECIFICATIONS

Detector: 2, 3 or 4-gas detectors
Auto zero: Yes
Calibration: Automatic
Backlight: Low light (auto); alarm conditions (auto) and on demand
Sensors: Plug-in electrochemical cells (H₂S/CO TWIN TOX, O₂); catalytic bead (LEL)
Field options: Confidence beep, pass code protection, latching alarms, calibration due date, "SAFE" display function, combustibles selection, sensor enable/disable, -DL2 models only: set real-time clock and calendar, sampling rate

ALARMS INDICATORS: Clearly advises alarm levels both audibly and visually
Visual alarms: Two flashing alarm bars visible from all angles
LCD advises gas present and alarm level encountered
Audible alarm: High output, variable pulsed dual beepers 95 dB at 1 ft. (0.3 m)
Vibrator alarm: Pulses warning in all gas alarm conditions and status alarms

ALARM LEVELS/TYPES: All gases: Instant Low; Instant High
Toxic Gases (H₂S and/or CO): TWA (time-weighted average) and STEL (short-term exposure level).

Other alarms: Low battery and missing sensor alarms

LCD DISPLAY: Large, continuous, alphanumeric gas readout and status display
Gases monitored: H₂S (0-100 ppm range); CO (0-500 ppm range); O₂, (0-25% v/v range); combustibles (0-100% LEL or 0-5.0% v/v methane)

TWA and STEL ppm: Records STEL and TWA exposures and displays readings on demand
Peak ppm, %LEL or % v/v: Records peak exposure to gas and displays on demand
Setpoints: Displayed on activation (auto)

TESTS

Full function self-test: On activation (auto) verifies: sensor and circuitry integrity and activates audible/visual/vibrator alarms
Battery: Continuous (auto)

GENERAL SPECIFICATIONS: Rugged, composite material with integral concussion-proof boot
Operating temperature: -20 to +50 °C (-4 to +122 °F)
Humidity: 5% to 95% RH (non-condensing)
EMI/RFI: Complies with EMC Directive 89/336/EEC
Battery run time: 14 to 16 hours on two (2) AA alkaline batteries
8 to 10 hours on two (2) NiMH rechargeable batteries
Size: 2.4 x 4 x 1.3 inches (6 x 10 x 3.3 cm)
Weight: 7.4 oz (211 g)

WARRANTY: Full 2-year warranty including all sensors

DATALOGGER OPTION: User downloadable datalogger
Data recorded: All events and occurrences
Sampling rate: Field-settable sampling intervals from 1 to 127 seconds (factory set at 5 second sampling intervals)
500,000 records (4.4 months given sample rate of 5 seconds and 32 MB MMC)
Storage capacity: Wraparound memory ensures most recent data is saved
Memory type: Standard office spreadsheet programs (Excel™, Access etc.)
Software Required:

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

Ordering Information: GasAlertMicro is delivered—ready for use—with:
sensors, two (2) AA alkaline batteries, metal alligator belt clip, calibration hose, calibration cap and instructions.

Gas Detector in Safety Yellow

GAMIC-4 4-gas: H₂S, CO, O₂, LEL
GAMIC-3H 3-gas: H₂S, O₂, LEL
GAMIC-2 2-gas: O₂, LEL

Also available in black

Detectors with User Downloadable Datalogger
Includes 32 MB MMC Flash memory card and free software.

Add suffix "-DL2"

Value Added Confined Space Kits

In addition to the above, kits include a hard-sided carrying case, manual aspirator pump, 10 foot (3 m) sampling hose, 4-port charger, 4 NiMH batteries, 34 liter calibration gas cylinder and regulator.

GAMIC-4-CK with 4-gas detector
GAMIC-3H-CK with 3-gas detector
GAMIC-2-CK with 2-gas detector
GAMIC-4-CK2 with 4-gas datalogging detector

Accessories

GAMIC-C01-K Four NiMH rechargeable batteries with 4-port charger kit
D4-AS01 Aspirator pump w/ 10 ft. (3 m) hose
GA-AS01 Aspirator pump w/ 1 ft. (0.3 m) probe
MMC64 64 MB MultiMediaCard (MMC)
CR-MMC-USB1 MMC reader (USB port)
GAMIC-CD1 Training video on CD-ROM

Calibration Equipment

CG-Q58 Quad calibration gas 58L
CG-Q34 Quad calibration gas 34L
CG-BUMP1 Alarm test gas 11 L
CK-Q58 Calibration kit w/ 58L gas
CK-Q34 Calibration kit w/ 34L gas

Spare Parts

D4-RW90 Combustible sensor
SR-X10 Oxygen sensor (2 year)
D4-RHM04 TWIN TOX (CO, H₂S) sensor
PS-RH04S H₂S (-3H versions)

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