"INNOVATORS IN GAS DETECTION"

BW Technologies

GasAlertMicro 5

H_2S, CO, O_2, SO_2, PH_3, NH_3, NO_2, HCN, Cl_2, ClO_2, O_3, 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_2 0.1 ppm)
- Full function self-test of: sensor, battery and circuit integrity; and audible/visual alarms

C SP US ATEX CE Ex *and others*

GasAlertMicro 5 with integrally attached pump

Water Resistant

Optional rechargeable battery and slip-in cradle charger

Ordering Information

GasAlertMicro 5 is delivered ready for use with sensors, 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, 3 m / 10 ft. sampling hose, sample probe, battery power (as specified), 34 L calibration gas cylinders(s) with regulator(s).

Accessories
MicroDock II Automatic Calibration and Test Station
Vehicle Charger
MMC USB Reader
Carrying Holster
Manual Aspirator Pump

ISO ISO9001:2000 Registered

www.gasmonitors.com
Email: info@bwtnet.com

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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"

BW Technologies

For further information:

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BW1078-01-01-00-8.25x11-20050411-5612-5

Specifications

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

Gas	Measuring range	Resolution	TWA	STEL	LOW	HIGH
O_2	0-30.0%	0.1	N/A	N/A	19.5	23.5
CO	0-999 ppm	1	35	50	35	200
H_2S	0-100 ppm	1	10	15	10	15
PH_3	0-5.0 ppm	0.1	0.3	1.0	0.3	1.0
SO_2	0-100 ppm	0.1	2	5	2	5
NO_2	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_2	0-50.0 ppm	0.1	0.5	1.0	0.5	1.0
NH_3	0-100 ppm	1	25	35	25	50
ClO_2	0-1.00 ppm	0.01	0.1	0.3	0.1	0.3
O_3	0-1.00 ppm	0.01	0.1	0.1	0.1	0.1
LEL	0-100% LEL 0-5% v/v	1%	N/A	N/A	10%	20%

Auto zero: Yes
Calibration: Automatic
Backlight: 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
Full function self-test: Sensor integrity, circuitry and battery; audible/visual alarms
Sensor: Plug-in, electrochemical cell (toxic and oxygen); catalytic (LEL)
User field options: Confidence beep, set STEL period, force calibration on start-up, enable / disable sensor, pass code protection, latching alarms, span level, passed calibration userlockout option, "SAFE" display function, stealth mode, 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

Alarm Indicators: Clearly advises alarm conditions with audible, visual, and vibrator alarms
Visual alarms: Two flashing alarm bars visible from all angles
LCD indicates gas present and alarm levels encountered
Audible alarm: Typically 95 dB at 1 ft. / 30 cm variable pulsed audible alarm
Vibrator alarm: Pulses warning in gas alarm conditions, or for any status alarms
Status alarms: Low battery, over range, multiple gas / pump and failed or missing sensor
Alarm Levels: Instantaneous Low Alarm for all gases; Instantaneous High Alarm for all gases; TWA (time-weighted average) and STEL (short-term exposure limit) for toxics

LCD: Continuous, alphanumeric gas readout and status display advises:
Gases monitored: H_2S, CO, O_2, SO_2, PH_3, NO_2, NH_3, HCN, Cl_2, ClO_2, O_3, and/or combustibles (0-100% LEL or 0-5.0% methane)
Gas concentration: Simultaneously and continuously displays gas concentration(s) for all sensors (in ppm, % LEL, or % v/v)
Peak (max)/STEL/TWA ppm or %: Records exposures and displays on demand
Alarm setpoints: Displayed on activation
Calibration due date: In days remaining (on start-up)
Clock: Real-time clock setting displayed on start-up

Tests:
Full function self-test: Sensor integrity, circuitry, battery and audible/visual alarms on activation
Battery: Continuous

General Specifications: Rugged, composite material; two-shot molded polymer case with integral anti-shock boot
Operating temperature: -4 to 122 °F / -20 to 50 °C
Humidity: 0 - 95% RH (non-condensing)
EMI/RFI: Complies with EMC Directive 89/336/EEC
Protection: Highly water resistant and dust proof housing
Battery Options: 23 hours on three AA alkaline cells (8-10 hours with optional motorized pump*)
20 hours on rechargeable "hot-swappable" battery pack (8-10 hours with optional motorized pump* with 4 hours charge time)
*when equipped with oxygen, combustible, TwinTox (H_2S/CO) and one additional toxic sensor
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
Warranty: Full 2-year warranty including all sensors (1 year NH_3 sensor)
Datalogger Options: User-downloadable datalogger
Data recorder: All events and occurrences (calibration zero adjustment, calibration span adjustment, gas readings, TWA, STEL, alarm condition, failures detected by the microprocessor).
Sampling rate: Factory set at 5-second intervals and user-settable from 1 to 127-second intervals
Storage: 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

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
American Bureau of Shipping**

ATEX: CE Ex II 1 G T4**
EEx ia IIC T4**
IECEx: Ex ia IIC T4**
**in progress

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