

ALERT DISASTER CONTROL

Global Emergency Response and Integrated Risk Management Solutions



BW Technologies are designers and manufactures of leading edge technologies in gas-detection and monitoring equipment. Toxic, poisonous and flammable gases are a daily risk for people who work within the oil, gas and petrochemical industries. BW makes portable, hand-held instruments, as well as detectors that can be stationed as stand alone or affixed system within buildings. All of BW's products protect both personnel and the facilities where they work.

Product Table

Portables	Stand-Alone	Fixed
Zero-Maintenance GasAlert-100 GasAlert Clip GasAlert Clip Extreme ToxyClip-2 ToxyClip for O2 Single Gas Detectors GasAlert GasAlert LEL GasAlert Extreme Multi-Gas Detectors GasAlert Micro GasAlertMicro 5 GasAlert Max BW Defender-2 Gas Sample Accessories GasAlert Sample Pak GasAlert Micro Sample Pak Heating, Ventilation and Cooling (HVAC) Systems GasProbe GasProbe CO GasProbe IAQ Indoor Air Quality Safety Palm Units Accessories, Spares and Options Confined Space Work Kits Instrument Carry Cases Hard Hat and Alligator Clips External Alarms Battery Charging Equipment Data logging Accessories and Spares Remote Sampling Equipment Automatic Test Stations Calibration Gases and Equipment	Wireless Systems Rig Rat III Rig Rat II Dual Point System Rig Rat III Shack Rat II	Fixed Controllers CR – 4000 RRJ – 4000 Transmitters 4 – 20mA GasPoint I.S. Plant Rat CD – 420 Zero Maintenance Transmitters 4 – 20mA RRJ Series ToxyPoint Fixed AC/DC Single Point Monitors Alarm Rat Heating, Ventilation and Cooling (HVAC) Systems GasPoint ToxyPoint CD – 420 I.S. Plant Rat Controllers Toxic and Explosive Gas Transmitters Indoor Air Quality Accessories, Spares and Options Remote Sensor Separation Kits GasPoint Sensor Assemblies GasPoint MODBUS Communications Modules Duct Mount Kits Flue Vessel Mount Sensor Kits Field Relay Modules Measuring Range Modules and Sensor Change Kits Remote Splash Guards, Calibration Cups and Baffles Calibration Gases and Equipment

Gas Detection and Monitoring Equipment

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PORTABLES

GasAlert100

Compact and lightweight, the new GasAlert100 provides 100 days of continuous, maintenance-free protection from H₂S or CO. With two alarm levels and an alphanumeric LCD, the intrinsically safe GasAlert100 is a practical solution to plant turnarounds and short-term work projects.

One-button operation activates a daily self-test and displays alarm setpoints and peak alarm exposure encountered. Life remaining is continuously displayed, in days and then hours.

Features

- 100 days of continuous protection.
- Continuous, alphanumeric LCD.
- Records and displays peak alarm encountered.
- Small size-1.0 x 1.45 x 2.3 in. / 26 x 37 x 58 mm
- Light-weighs just 1 oz. / 30-g
- Maintenance free-no sensor or battery replacement, no calibration, no downtime.

Self-Tests

- Daily, full function self-test verifies sensor and circuitry integrity.
- Battery is tested continuously (auto) and on demand.
- Manual self-test on demand.



Zero-Maintenance Detectors
H₂S, CO

GasAlertClip Extreme

BW Technologies has raised the bar for maintenance-free detection with the new GasAlertClip Extreme. Providing two years of protection from H₂S, SO₂, CO or O₂, the water-resistant GasAlertClip Extreme has a built-in concussion-proof boot and is ideal for amphibious operations and high-moisture environments.

Equipped with two alarm levels and an internal vibrator, the GasAlertClip Extreme now features four visual LEDs, and a high-output audible alarm. The large, alphanumeric display provides instant notification of gas alarms, test status, life remaining (months then days then hours) and peak (maximum) exposures encountered.

The GasAlertClip Extreme's advanced microprocessor performs a full function self-test automatically on startup and on demand to verify sensor, circuit and battery integrity, as well as audible/visual alarm operation.

Generating a permanent record of gas alarm events has never been easier. The GasAlertClip Extreme allows for effortless transmission of stored event data to a cordless printer or a PC for review and analysis.

Despite being loaded with features, the GasAlertClip Extreme is compact and light, which makes it comfortable to wear. Clip it to your lapel, pocket, belt or hardhat for unequalled protection.



2 Year Disposable Gas
Detector H₂S, SO₂, CO or O₂

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Gas Detection and Monitoring Equipment

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Gas Detection and Monitoring Equipment

GasAlertClip

Monitoring for H₂S, CO, SO₂ or O₂, GasAlertClip provides two years of continuous maintenance-free protection from the day of activation.

Features

- Continuously ON
- One-button activation and Test
- Wide-angled visual alarm bar
- Records and transmits gas alarm event encountered and the time elapsed since the event occurred
- Two alarm levels LOW and HIGH
- Internal vibrator alarm
- Continuous LCD confidence display
- Records and displays on demand maximum alarm exposure encountered
- No battery or sensor replacement
- No calibration required
- LOW and HIGH setpoints displayed on demand in ppm or %
- Compact and lightweight--weighs only 2.6 oz. (73 g)

Self-Tests(Auto and On Demand)

- Full function self-test verifies sensor, circuitry and battery integrity



Zero-Maintenance Detectors
H₂S, CO, SO₂ or O₂

ToxyClip2

Available in 2 and 1-year models, TOXYCLIP2 requires no calibration and continuously monitors for H₂S or CO. With no downtime or maintenance required, TOXYCLIP2 delivers cost-effective personal protection.

The alphanumeric LCD shows life remaining in months, days and hours. Access alarm setpoints and peak exposures on demand.

Features

- Continuously ON.
- Records and displays maximum alarm encountered.
- High-output audible and visual alarms (90dB).
- LOW and HIGH alarm setpoints displayed on command.
- Safety shutdown mode.
- Life remaining readout in months, days and hours.

Self-Tests (Auto and on Demand)

- Full function self-test verifies sensor, circuitry and battery integrity.
- Battery test every 2 hours (auto).



Zero-Maintenance Detectors
H₂S or CO

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ToxyClip for O₂

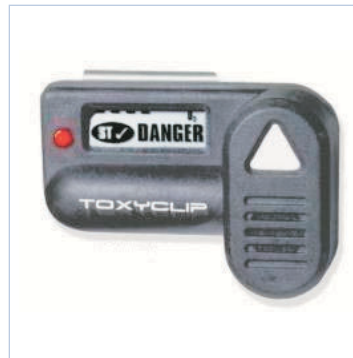
The 1-year, zero maintenance TOXYCLIP for O₂ continuously monitors the ambient air for O₂. With no downtime or maintenance required, TOXYCLIP for O₂ delivers cost-effective personal protection.

Features

- Continuously ON.
- High-output audible and visual alarms.
- Life-remaining bar graph readout.
- LOW and HIGH alarm setpoints.
- Safety shutdown mode.

Self-Tests (Auto and on Demand)

- Full function self-test verifies sensor, circuitry and battery integrity
- Battery test every 2 hours (auto)



Zero-Maintenance Detectors O₂

GasAlert LEL

With the same cost of ownership advantages of the original GasAlert, the specialized GasAlert LEL uses a poison-resistant catalytic bead sensor to detect combustible gases and vapors in the lower explosive limit range (0-100% LEL). An optional model with an internal vibrator alarm is available for high-noise areas.

Features

- High-contrast LCD shows real-time gas concentration.
- LOW and HIGH alarm setpoints.
- Over limit latching alarm and sensor protection.
- Backlight in low light (auto), in alarm (auto) and on demand.
- Simple auto zero and auto calibration with diagnostics protection.
- High-output 90 dB audible alarm.
- Wide-angled visual alarm bar.
- Records and displays on demand peak exposure to gas encountered.
- Continuous instrument status advice.

User Field Options

- Confidence beep.
- Pass code protection.
- Latching HIGH alarm.

Self-Tests

- Full function self-test verifies sensor, circuitry battery integrity and audible/visual alarms.
- Continuous battery test and instrument status diagnostics.



Single-Gas Detectors
Combustible Gases and Vapors
(0-100% LEL)

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Gas Detection and Monitoring Equipment

GasAlert

The tough and compact GasAlert, available with an internal vibrator alarm, provides unequalled single-gas protection. Automated calibration and 3-year lithium battery mean extraordinary cost of ownership advantages.

Weighing just 2.9 oz. (83-g), GasAlert continuously monitors the ambient air for H₂S, CO, SO₂, Cl₂, HCN, NO₂, NH₃, PH₃ or O₂.

Features

- High-contrast LCD shows real-time gas concentration.
- LOW, HIGH and TWA (time weighted average) and STEL (short term exposure limit) alarm setpoints.
- Backlight in low light (auto), in alarm (auto) and on demand.
- Simple auto zero and auto calibration with diagnostics protection.
- High-output 90 dB audible alarm.
- Wide-angled visual alarm bar.
- Records and displays on demand TWA, STEL and peak exposure to gas encountered.
- Continuous instrument status advice.



Single-Gas Detectors H₂S, CO, SO₂, Cl₂, HCN, NO₂, NH₃, PH₃ or O₂

Self-Tests

- Full function self-test verifies sensor, circuitry and battery integrity.
- Continuous battery test and instrument status diagnostics.

GasAlert Extreme

Compact and affordable GasAlert Extreme detectors are available for a wide variety of atmospheric hazards. The GasAlert Extreme is highly water-resistant, with an IP 66/67 fully immiscible, EMI / RFI resistant housing, built-in concussion-proof boot, and heavy-duty, stainless steel, alligator style belt-clip. An extra-loud audible alarm, flashing LED light bars, and built-in vibrator alert users to hazardous conditions. The large, easy-to-read display includes a built-in backlight that ensures readings are legible even in dim light conditions. An easily changed 3V camera battery provides up to two years of continuous operation.

Features

- Multiple language and datalogging option.
- Rugged, IP-66/67 highly water-resistant design.
- Built-in concussion-proof boot.
- Continuous LCD shows real-time gas concentration with backlight in low light (auto and on demand); in alarm (auto).
- LOW, HIGH, TWA and STEL alarms with adjustable setpoints.
- Provides 95 dB tone and bright LED indication on alarm (typical).
- Internal vibrating alarm.
- Compact (1.1 x 2.0 x 3.75 in. / 28 x 50 x 95 mm) and Lightweight (2.9 oz. / 82-g).
- 2-year battery life (typical) with replaceable 3V camera battery.
- Simple auto-zero and calibration procedure.
- Full function self-test of: sensor, battery, and circuitry integrity.



Single-Gas Detectors H₂S, CO, O₂, SO₂, PH₃, Cl₂, NH₃, NO₂, HCN, ETO, ClO₂, O₃, NO

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GasAlertMax

Continuously monitoring for 4, 3 or 2 hazardous gases, GasAlertMax sets the standard for ease of use, reliability and effective protection.

The intelligent GasAlertMax with optional datalogging capabilities provides thorough instrument status diagnostics and advice. Powered by a Black & Decker VersaPak battery (available at local stores), GasAlertMax delivers maximum protection and excellent cost of ownership advantages.

Features

- High-contrast LCD shows simultaneous real-time gas concentrations.
- Equipped with plug-in motorized sampling pump.
- LOW, HIGH and TWA (time weighted average) alarms.
- High-output 95 dB audible alarm.
- Wide-angled alarm bar.
- Records and displays on demand TWA and peak exposures to gas.
- Backlight in low light (auto), in alarm (auto) and on demand.



Multi-Gas Detectors H₂S, CO, O₂,
Combustibles

Self-Tests (Auto and On Demand)

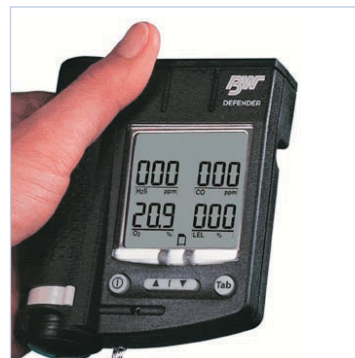
- Full function self-test verifies sensor, circuitry and battery integrity.
- Continuous battery and instrument status diagnostics.

BW Defender2

With real-time displays of H₂S, CO, O₂ and combustibles present, the BW Defender2 provides comprehensive protection with excellent cost of ownership advantages. Automatic calibration, advanced sensor technology and optional data logging minimize maintenance and training costs.

Features

- High-contrast LCD shows simultaneous real-time gas concentrations.
- LOW, HIGH and TWA (time-weighted average) alarms.
- High-output audible and visual alarms.
- Plug-in sensors.
- Records and displays on demand TWA and peak exposures to gas.
- Backlight in low light (auto), in alarm (auto) and on demand.



Multi-Gas Detectors H₂S, CO, O₂,
Combustibles

Self-Tests

- Daily automatic self-test verifies sensor and circuitry integrity.
- Continuous battery and instrument status diagnostics.

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Gas Detection and Monitoring Equipment

GasAlertMicro

With a comprehensive range of features and functions, GasAlertMicro has set a new benchmark in multi-gas detection. At just 7.3 oz. (211 g), the rugged GasAlertMicro is unrivalled in performance and value-added affordability.

Simultaneously displaying O₂, H₂S, CO and combustibles present, GasAlertMicro is ideally suited to a wide range of applications. Choose a 4, 3, or 2-gas model in safety yellow or black, with optional datalogging.

Features

- High-contrast LCD shows continuous and simultaneous real-time gas concentrations.
- LOW, HIGH, TWA (time weighted average) and STEL (short-term exposure limit) alarms.
- High-output 95 dB audible alarm.
- Dual visual alarm bars.
- Internal vibrator alarm (standard).
- Built-in concussion-proof boot.
- Backlight in low light (auto), in alarm (auto) and on demand.
- Simple auto zero and auto calibration with diagnostics protection.
- Records and displays TWA, STEL and peak exposures to gas on demand.
- Continuous instrument status advice.
- Flexible power source--disposable AA alkaline (16-18 hours) standard or rechargeable NiMH (14-16 hours).
- Accessories manual aspirator pump.
- Confined space kits.



Multi-Gas Detectors H₂S, CO, O₂,
Combustibles

Self-Tests

- Full function self-test verifies sensor, circuitry, battery integrity and audible/visual alarms.
- Continuous battery test and instrument status diagnostics and instrument status diagnostics.

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Gas Detection and Monitoring Equipment

GasAlertMicro 5

The GasAlertMicro 5 is an extremely flexible monitor configurable as a diffusion or pumped instrument, with a variety of sensors and with alkaline or rechargeable batteries. The GasAlertMicro5 can be configured for the simultaneous detection of up to five atmospheric hazards including oxygen, percent LEL combustible gas and a wide selection of individual electrochemical toxic sensors. The following matrix includes the most commonly purchased configurations. The Configurator offers additional flexibility in determining part numbers and total unit costs for combinations.

Times the Versatility

- Simultaneous display of up to five gases H₂S, CO, O₂, SO₂, PH₃, NH₃, NO₂, HCN, Cl₂, ClO₂, O₃ and combustibles
- Integral, motorized pump model available
- Interchangeable pumped or diffusion mode

Times the Reliability

- Triple alarms (audible, visual and vibrating)
- Large, easy to read LCD
- Full function self-test

Times the Durability

- Integral concussion-proof boot
- Rugged and compact design (5.7 x 2.9 x 1.5 in. and 13.1 oz./14.5 x 7.4 x 3.8 cm and 370g)
- Highly water-resistant and dust-proof housing

Times the Flexibility

- Datalogging options
- Multi-language support in English, French, German, Spanish and Portuguese
- Extended list of selectable field options
- Three backlight options
- Two power options; three AA alkaline batteries or 'hot-swappable' rechargeable battery pack

Times the Affordability

- Compatible with MicroDock II — Automatic test and calibration station; helping cut maintenance costs.
- Lowest price on the market



GasAlertMicro5

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Gas Detection and Monitoring Equipment

GasProbe CO

Accurate, compact and lightweight, the GasProbe CO provides fast, accurate sampling of CO concentrations from 0 to 1,000 parts per million.

GasProbe CO is ideal for technicians, fire department personnel and other professionals who need to measure CO levels in potentially hazardous environments.

Features

- LCD displays CO levels from 0-1,000 ppm.
- LCD backlight activates automatically in low-light conditions.
- Automatic sensor zeroing and self-test sequence upon start-up.
- Stores and displays the maximum CO levels encountered.
- CO level beeper can be silenced if desired.
- Automatic power-off after 20 minutes.
- Simple, automatic calibration procedure.
- Easy-to-replace 9 VDC battery (battery life~500 hours).
- Stabilized electrochemical CO-specific sensor.
- Typical 3-year sensor life; 1-year calibration cycle.



Carbon Monoxide Meter CO

Self-Tests

- Daily automatic self-test verifies sensor and circuitry integrity.
- Battery is tested continuously (auto) and on demand.

GasProbe IAQ

Indoor Air Quality Monitor

Engineered for environments that require reliable, multi-parameter monitoring, the GasProbe IAQ is industry's most versatile portable instrument. Ergonomically designed and user-friendly, the GasProbe IAQ delivers peak performance that's second to none.

Features

- Simultaneous monitoring of up to four parameters: carbon monoxide (CO), carbon dioxide, (CO₂), relative humidity (RH) and temperature (T-degrees).
- Data logging models available with a minimum 77-days of data logging capacity.
- Download data to your computer via infrared port.
- Field-proven sensing technology.
- Compact and lightweight.
- Audible, visual and vibrating alarms.
- Comprehensive display of data.
- Simple automatic calibration procedure.
- Peak readings on demand: STEL and TWA.
- Menu-driven operation.
- Full array of accessories, including data logging software in deluxe and standard versions.
- Plug-in AC power adapter, CO and CO₂ sensors, lithium battery and instructions included.



Versatile IAQ Monitoring To,
RH, CO, CO₂

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Gas Detection and Monitoring Equipment

GasProbe

The low-cost, handheld GasProbe is five instruments in one: flue gas analyzer, gas appliance tester, ambient air monitor, draft measurement device and thermometer.

Economically priced professional kits (standard or deluxe), long-life VersaPak battery power and user-friendly operation mean extraordinary cost of ownership advantages.

Features

- Real-time digital readings of O₂, CO, CO₂, CO/CO₂ ratio and stack air temperatures.
- Calculates combustion efficiency of five fuels: natural gas, LPG, light oil, heavy oil and solids.
- Small, compact and lightweight.
- Large, multi-parameter LCD.
- Flashing, wide-angled alarm bar.
- Variable pulsed 70-dB audible-alarm.
- Two (2) operational modes: combustion gas analysis and ambient air safety.
- Factory set LOW and HIGH alarm levels for CO and O₂.
- Automatic, continuous backlight in low-light conditions
- Downloadable time and date data logging.
- Electrochemical sensors
- Automatic calibration of O₂ sensor, sampling pump and pressure sensor on startup.
- External water trap/filter.
- Internal pump filter.
- Simple, intuitive operation.



Combustion Gas Analyzer
CO, O₂, CO₂, CO/CO₂, In. WC/mbar,
F or C-degrees temp

Self-Tests

- Full function self-test verifies sensor, circuitry and battery integrity.
- Continuous battery test and instrument status diagnostics.



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Gas Detection and Monitoring Equipment

MicroDock (GasAlertMicro)

New from BW Technologies, the MicroDock automated calibration, test and record storage system is a cost-effective way to manage calibration and bump-testing of the GasAlertMicro. Fully portable and easily expandable, the MicroDock requires no computer and provides simultaneous management of up to 10 GasAlertMicro units.

Costs and time requirements for routine maintenance are reduced through the MicroDock's automated sophistication. Instrument records are stored for easy retrieval in the MicroDock and in each individual GasAlertMicro. Minimize expenses and maximize productivity with MicroDock the ultimate instrument management station.



SamplerPak

Designed for use with most BW single-gas and multi-gas detectors, the Sampler is an ideal confined space entry accessory. Simply attach it to your detector and activate for continuous remote sampling.

With a rugged pump and a robust, ergonomic design, the Sampler features intelligent diagnostics that tell the instrument when to calibrate itself. Motor speed is self-regulating to provide consistent airflow in ever-changing environmental conditions, and a 30-hour runtime on 2-AA alkaline or NiMH batteries ensures trouble-free operation through multiple shifts.

Features

- Compact (7.4 x 1.3 x 2.1 in. / 18.8 x 3.35 x 5.4 cm) and lightweight (6.2 oz. / 175-g).
- Compatible with most BW single-gas and multi-gas detectors, including GasAlert and GasAlertMicro.
- Pump constantly monitors itself for proper performance.
- Low flow alarm, battery alarm and system fault alarm with audible/visual warnings.
- Unique, manual flow-block test verifies proper performance.
- Up to 30 hours of continuous operation on a single set of AA alkaline or rechargeable NiMH batteries.
- Built-in water trap and particulate filters.

Optional extra-long probes and sampling hoses available.



GasAlert - SamplerPak



GasAlertMicro - SamplerPak



SamplerPak Probe

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