

GasAlertMicro 5

Five-Gas Detector

H₂S, CO, O₂, SO₂, PH₃, NH₃, NO₂, HCN, Cl₂, ClO₂, O₃ and Combustibles



Optional rechargeable battery and slip-in cradle charger

- Continuous LCD shows simultaneous gas concentrations for five gases
- Smaller and over 50% lighter than competitive instruments
- Water-resistant design with an integral concussion-proof enclosure
- 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—deactivated
- 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, passcode protection, latching alarm,
- “SAFE” display function, stealth mode and selectable ppm resolution for some gases (e.g. SO₂ 0.1 ppm)
- Full function self-test of: sensor, battery and circuit integrity; and audible/visual alarms

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 multigas 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.



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advanced sound solutions



Castle Group Limited

Salter Road, Scarborough, North Yorkshire, YO11 3UZ, UK, Telephone +44(0)1723 584250, Fax: +44(0)1723 583728
email: sales@castlegroup.co.uk, internet: www.castlegroup.co.uk

SPECIFICATIONS

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

Gas	Measuring Range	Default Resolution	High Resolution	TWA	STEL	LOW	HIGH
H ₂ S	0-500 ppm	1.0 ppm	0.1 ppm	10	15	10	15
CO	0-999 ppm	1.0 ppm	N/A	35	50	35	200
TwinTox (H ₂ S)	0-500 ppm	1.0 ppm	0.1 ppm	10	15	10	15
TwinTox (CO)	0-500 ppm	1.0 ppm	N/A	35	50	35	200
O ₂	0-30.0%	0.50%	N/A	N/A	N/A	19.5	23.5
SO ₂	0-150 ppm	1.0 ppm	0.1 ppm	2	5	2	5
PH ₃	0-5.0 ppm	1.0 ppm	0.1 ppm	0.3	1.0	0.3	1.0
NH ₃	0-100 ppm	1.0 ppm	0.1 ppm	25	35	25	50
NO ₂	0-99.9 ppm	1.0 ppm	0.1 ppm	2.0	5.0	2.0	5.0
HCN	0-30.0 ppm	1.0 ppm	0.1 ppm	4.7	10.0	4.7	10.0
Cl ₂	0-50.0 ppm	1.0 ppm	0.1 ppm	0.5	1.0	0.5	1.0
ClO ₂	0-1.00 ppm	0.1 ppm	0.01 ppm	0.1	0.3	0.1	0.3
O ₃	0-1.00 ppm	0.1 ppm	0.01 ppm	0.1	0.1	0.1	0.1
Combustible Gases	0-100% LEL 0-5.0% v/v	1% 0.1%	N/A	N/A	N/A	10% 0.5%	20% 1.0%

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
 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, passcode 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, high resolution, 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, OL (over alarm) for LEL
 Continuous, alphanumeric gas readout and status display advises:
 H₂S, CO, O₂, SO₂, PH₃, NO₂, NH₃, HCN, Cl₂, ClO₂, O₃, 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)

LCD:
 Gases monitored:
 Gas concentration:
 Peak (MAX)/STEL/
 TWA ppm:
 Alarm setpoints:
 Calibration due date:
 Clock:
TESTS:
 Full function self-test:
 Battery:

Records exposures and displays on demand
 Displayed on activation and on demand
 Days remaining on start-up
 Real-time clock setting displayed on start-up
 Sensor integrity, circuitry, battery and audible/visual alarms on activation
 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 or 20 hours on rechargeable "hot-swappable" battery pack when equipped with oxygen, combustible, TwinTox (H₂S/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 NH₃ 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: 4 months of continuous data at 5 second intervals via memory card; when full, the wrap-around feature replaces old-est data with most recent data