

# GasAlert EXTREME

H<sub>2</sub>S, CO, O<sub>2</sub>, SO<sub>2</sub>, PH<sub>3</sub>, Cl<sub>2</sub>, NH<sub>3</sub>, NO<sub>2</sub>, HCN, ETO, ClO<sub>2</sub>, O<sub>3</sub>, NO

"INNOVATORS IN GAS DETECTION"

# BW

Technologies



## Single-Gas Detectors



ACTUAL SIZE

**Water  
Resistant**  
IP 66/67

### Protect Yourself

- △ 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)
- △ Small size (1.1 x 2.0 x 3.75 in. / 28 x 50 x 95 mm) and lightweight (2.9 oz. / 82 g)
- △ Provides 95 dB tone and bright LED indication on alarm (typical)
- △ 2-year battery life (typical) with replaceable 3V camera battery
- △ Internal vibrating alarm
- △ Equipped with plug-in, replaceable sensor
- △ Simple auto-zero and calibration procedure
- △ Peak value displayed on command (in ppm or %vol)
- △ LOW, HIGH, TWA and STEL alarms with adjustable setpoints
- △ Multiple language and datalogging options available
- △ Classified intrinsically safe by UL to U.S. and Canadian standards; ATEX certified
- △ Full function self-test of: sensor, battery, and circuitry integrity
- △ Stainless steel alligator clip, test cap and hose, battery, and instructions in local languages included



**ATEX**



and  
others

### Ordering Information

#### GasAlert Extreme Detectors

##### Standard

|        |                  |        |                  |        |                 |
|--------|------------------|--------|------------------|--------|-----------------|
| GAXT-H | H <sub>2</sub> S | GAXT-M | CO               | GAXT-X | O <sub>2</sub>  |
| GAXT-S | SO <sub>2</sub>  | GAXT-C | Cl <sub>2</sub>  | GAXT-Z | HCN             |
| GAXT-D | NO <sub>2</sub>  | GAXT-A | NH <sub>3</sub>  | GAXT-P | PH <sub>3</sub> |
| GAXT-E | ETO              | GAXT-V | ClO <sub>2</sub> | GAXT-G | O <sub>3</sub>  |
| GAXT-N | NO               |        |                  |        |                 |

##### Multi-Language

Add the suffix "-ML" (e.g. GAXT-H-ML for H<sub>2</sub>S model)

##### Datalogging and Multi-language

Add the suffix "-DL" (e.g. GAXT-D-DL for NO<sub>2</sub> model)

##### GasAlert Extreme SamplerPaks

Includes GasAlert Extreme detector with Sampler motorized pump, 10 ft. / 3 m sampling hose and two sampling tubes in a carrying case.

GAXT-(x)-SK\* GasAlert Extreme SamplerPak

GAXT-(x)-SKC\* GasAlert Extreme SamplerPak with charger/battery kit

\* Note: Add suffix for delivery with 220 VAC charger:

Europe: -EU United Kingdom: -UK Australia: -AU

##### Accessories and Spares

|           |  |
|-----------|--|
| GA-HC-1   | Hard hat clip  |
| GA-AG-2   | Alligator clip (stainless-steel)                       |
| GA-AG-1   | Alligator clip (non-conductive)                        |
| GA-BALERT | Concussion-proof boot                                  |
| GA-USB2*  | Infrared DataLink USB adapter for datalogging versions |
| GA-TS03   | Automatic test station                                 |
| GA-SS     | Sensor screen (kit of 10)                              |
| GAXT-CD1  | Interactive Training CD                                |

\* Receive a GA-USB2 at no charge when you purchase 10 or more datalogging GasAlert Extreme detectors

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

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



# GasAlert Extreme

$H_2S$ ,  $CO$ ,  $O_2$ ,  $SO_2$ ,  $Cl_2$ ,  $HCN$ ,  $NO_2$ ,  
 $NH_3$ ,  $PH_3$ ,  $ETO$ ,  $ClO_2$ ,  $O_3$  or  $NO$

## Single-Gas Detector

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 immersible, 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.

The GasAlert Extreme clearly advises the gas hazard present—Low, High, TWA and STEL gas alarm. Recorded TWA, STEL and Peak exposures can be displayed on demand.

GasAlert Extreme detectors are optionally available with datalogging and multi-language support. Datalogging detectors include a built-in IR COM port for automatic data transfer to a computer or MicroDock docking station module (coming soon). No wires necessary!

The GasAlert Extreme continues the proud BW Technologies product tradition of cutting-edge features, trouble-free operation, durability, and the LOWEST cost of ownership of any single-gas detector on the market today.

## SPECIFICATIONS

DETECTOR: Single-gas detector

| GasAlert for:                | Measuring Range | Alarm Setpoints <sup>1</sup> (Factory defaults are shown. Alarm levels are field-adjustable.) |            |           |            | Relative Humidity non-condensing | Operating Temperature           |
|------------------------------|-----------------|---|------------|-----------|------------|----------------------------------|---------------------------------|
|                              |                 | TWA Alarm   | STEL Alarm | Low Alarm | High Alarm |                                  |                                 |
| Hydrogen Sulfide ( $H_2S$ )  | 0-100 ppm       | 10 ppm  | 15 ppm     | 10 ppm    | 15 ppm     | 15-90                            | -40 to +50 °C<br>-40 to +122 °F |
| Sulfur Dioxide ( $SO_2$ )    | 0-100 ppm       | 2 ppm   | 5 ppm      | 2 ppm     | 5 ppm      | 15-90                            |                                 |
| Hydrogen Cyanide (HCN)       | 0-30.0 ppm      | 4.7 ppm   | 10.0 ppm   | 4.7 ppm   | 10.0 ppm   | 15-95                            | -30 to +50 °C<br>-22 to +122 °F |
| Carbon Monoxide (CO)         | 0-999 ppm       | 35 ppm  | 200 ppm    | 35 ppm    | 200 ppm    | 15-90                            |                                 |
| Chlorine ( $Cl_2$ )          | 0-50.0 ppm      | 0.5 ppm   | 1.0 ppm    | 0.5 ppm   | 1.0 ppm    | 10-95                            |                                 |
| Nitrogen Dioxide ( $NO_2$ )  | 0-99.9 ppm      | 2.0 ppm   | 5.0 ppm    | 2.0 ppm   | 5.0 ppm    | 15-90                            |                                 |
| Ammonia ( $NH_3$ )           | 0-100 ppm       | 25 ppm  | 35 ppm     | 25 ppm    | 50 ppm     | 15-90                            |                                 |
| Phosphine ( $PH_3$ )         | 0-5.0 ppm       | 0.3 ppm   | 1.0 ppm    | 0.3 ppm   | 1.0 ppm    | 15-90                            |                                 |
| Ethylene Oxide (ETO)         | 0-100 ppm       | 1 ppm   | 5 ppm      | 1 ppm     | 5 ppm      | 15-90                            |                                 |
| Chlorine Dioxide ( $ClO_2$ ) | 0-1 ppm         | 0.1 ppm   | 0.3 ppm    | 0.1 ppm   | 0.3 ppm    | 15-95                            |                                 |
| Ozone ( $O_3$ )              | 0-1 ppm         | 0.1 ppm   | 0.1 ppm    | 0.1 ppm   | 0.2 ppm    | 15-90                            |                                 |
| Nitric Oxide (NO)            | 0-250 ppm       | 25 ppm  | 25 ppm     | 25 ppm    | 25 ppm     | 15-90                            |                                 |
| Oxygen (%by vol.) ( $O_2$ )  | 0-30.0%         | N/A   | N/A        | 19.5 %    | 22.5%      | 0-99                             |                                 |

- Auto zero: Yes
- Calibration: Automatic
- Backlight: Low light (auto and on demand); alarm condition (auto)
- Full function self-test: Verifies integrity of sensor, circuitry and battery; audible/visual alarms
- Sensor: Plug-in, electrochemical cell (temperature compensated)
- INDICATORS AND ALARMS:** Clearly advises alarm levels both visually and audibly
  - Visual alarm: Flashing, wide-angled alarm lens with 4 red LEDs, plus alarm LCD readout
  - Audible alarm: High-output, pulsing 95 dB at 10 in / 0.25 m (typical)
  - Confidence beep: Every 5 seconds (field-selectable on/off)
  - Other: Low battery; off warning; sensor fail
- Vibrator Alarm Standard: Vibrates in sync with audible and visual alarms
- CONTINUOUS LCD DISPLAY:** Alphanumeric gas readout and status display advises:
  - Gas ppm or %: Continuously displays gas concentration present
  - TWA and STEL ppm or %: Records and displays on demand
  - Peak ppm or %: Records and displays peak (maximum) exposure to gas on demand
  - Setpoints: Displayed on activation (auto) and on demand in ppm or %
- TESTS:**
  - Full function self-test: Full function self-test on activation (auto)
  - Battery: Continuous (auto)
- GENERAL SPECIFICATIONS:** Rugged composite material with integral concussion-proof boot
  - IP Rating: Highly water resistant IP 66/67 housing
  - EMI/RFI: Complies with EMC Directive 89/336/EEC
  - Battery type: 3-volt lithium (Energizer CR2 camera battery)
  - Battery life: 2 year battery life (typical) with replaceable 3V battery
  - Size: 1.1 x 2.0 x 3.75 inches / 28 x 50 x 95 mm
  - Weight: 2.9 oz. / 82 g
- EVENT LOGGING:** Records and transmits up to 10 gas alarm events
  - Event information: Gas type, peak exposure level (ppm or vol); alarm duration in minutes and seconds; time elapsed since the alarm occurred in days, hours and minutes
- Transmission method: Via infrared port to USB PC adapter
- DATALOGGER OPTIONS:** User-downloadable datalogger
  - Data recorder: All events and occurrences
  - Sampling rate: Factory set at 5-second intervals and user-settable from 1 to 60-second intervals
  - Storage: Over 1 month of continuous data at 5 second intervals. When full, wraparound memory feature replaces oldest data with most recent data
- WARRANTY:** 2 years including sensor, except  $NH_3$  (one year)

<sup>1</sup>The HIGH Alarm and STEL Alarm have the same highest alarm priority. The LOW Alarm overrides the TWA Alarm.

*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

**ATEX:** CE II 2 G EEx ia IIC T4

"INNOVATORS IN GAS DETECTION"



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BW1071-01-01-00-8.25x11-20040726-5558-2



- 1 LARGE, ALPHANUMERIC DISPLAY
- 2 ADVANCED, MICRO CONTROLLER-BASED OPERATION
- 3 ELECTROCHEMICAL SENSOR
- 4 BRIGHT, WIDE-ANGLED, VISUAL ALARM BAR
- 5 HIGH-OUTPUT, 95 dB AUDIBLE ALARM (TYPICAL)
- 6 AUTO ZERO/AUTO SPAN
- 7 AUTO BACKLIGHT
- 8 LOW, HIGH, TWA AND STEL ALARMS
- 9 RUGGED, COMPACT, LIGHTWEIGHT



IR DATALINK USB ADAPTER



TRAINING CD-ROM

Full information status panel with easy prompts:



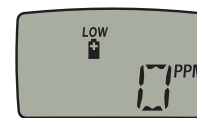
△ Advises alarm level encountered (LOW/HIGH/TWA/STEL)



△ Auto zero and easy prompted calibration



△ Records and displays Peak (Max) exposure



△ LOW battery

Locally distributed by:

\*IN PROGRESS