

# 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



## Single-Gas Detectors



ACTUAL SIZE

### 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



### Ordering Information

#### GasAlert Detectors

Standard	Multi-Language	Datalogging+Languages
GAXT-H H <sub>2</sub> S	GAXT-H-ML H <sub>2</sub> S	GAXT-H-DL H <sub>2</sub> S
GAXT-M CO	GAXT-M-ML CO	GAXT-M-DL CO
GAXT-X O <sub>2</sub>	GAXT-X-ML O <sub>2</sub>	GAXT-X-DL O <sub>2</sub>
GAXT-S SO <sub>2</sub>	GAXT-S-ML SO <sub>2</sub>	GAXT-S-DL SO <sub>2</sub>
GAXT-C Cl <sub>2</sub>	GAXT-C-ML Cl <sub>2</sub>	GAXT-C-DL Cl <sub>2</sub>
GAXT-Z HCN	GAXT-Z-ML HCN	GAXT-Z-DL HCN
GAXT-D NO <sub>2</sub>	GAXT-D-ML NO <sub>2</sub>	GAXT-D-DL NO <sub>2</sub>
GAXT-A NH <sub>3</sub>	GAXT-A-ML NH <sub>3</sub>	GAXT-A-DL NH <sub>3</sub>
GAXT-P PH <sub>3</sub>	GAXT-P-ML PH <sub>3</sub>	GAXT-P-DL PH <sub>3</sub>
GAXT-E ETO	GAXT-E-ML ETO	GAXT-E-DL ETO
GAXT-V ClO <sub>2</sub>	GAXT-V-ML ClO <sub>2</sub>	GAXT-V-DL ClO <sub>2</sub>
GAXT-G O <sub>3</sub>	GAXT-G-ML O <sub>3</sub>	GAXT-G-DL O <sub>3</sub>
GAXT-N NO	GAXT-N-ML NO	GAXT-N-DL NO

#### Accessories and Spares

GAXT-HC-1	Hard hat clip
GAXT-AG-2	Alligator clip (stainless-steel)
GAXT-AG-1	Alligator clip (non-conductive)
GAXT-SS	Sensor screen (kit of 10)
GAXT-CD1	Training CD
GA-TS03	Automatic test station

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# GasAlert Extreme

## Single-Gas Detector

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

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 <sub>2</sub> S)	0-100 ppm	10 ppm	15 ppm	10 ppm	15 ppm	15-90	-40 to +50 °C -40 to +122 °F
Sulfur Dioxide (SO <sub>2</sub> )	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	
Carbon Monoxide (CO)	0-999 ppm	35 ppm	200 ppm	35 ppm	200 ppm	15-90	-30 to +50 °C -22 to +122 °F
Chlorine (Cl <sub>2</sub> )	0-50.0 ppm	0.5 ppm	1.0 ppm	0.5 ppm	1.0 ppm	10-95	
Nitrogen Dioxide (NO <sub>2</sub> )	0-99.9 ppm	2.0 ppm	5.0 ppm	2.0 ppm	5.0 ppm	15-90	
Ammonia (NH <sub>3</sub> )	0-100 ppm	25 ppm	35 ppm	25 ppm	50 ppm	15-90	
Phosphine (PH <sub>3</sub> )	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 <sub>2</sub> )	0-1 ppm	0.1 ppm	0.3 ppm	0.1 ppm	0.3 ppm	15-95	
Ozone (O <sub>3</sub> )	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 <sub>2</sub> )	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<sub>3</sub> (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: (U) Class I, Div. 1, Gr. A, B, C, D (Intrinsic safety)

ATEX: CE II 2 G  
EX Approval: EEx ia IIC  
CE: European Conformity



- 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



Training CD-ROM

Full information status panel with easy prompts:



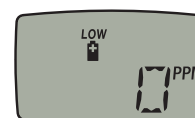
△ Advises alarm level encountered (LOW/HIGH/TWA/STEL)



△ Auto zero and easy prompted calibration



△ Records and displays Peak (Max) exposure



△ LOW battery

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