

# GasAlert Extreme

## Single-Gas Detector

Designed for the most adverse conditions, the GasAlert Extreme single gas detector offers a wide range of user selectable options, a replaceable battery and can monitor a variety of toxic hazards. The GasAlert Extreme is compatible with BW's MicroDock II automatic test and calibration system



- Continuous LCD shows real-time gas concentration with backlight in low-light (auto and on demand); in alarm (auto)
- Rugged, IP66/67 highly water-resistant design
- Built-in concussion-proof boot
- 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)
- Internal vibrating alarm
- 2-year battery life (typical) with replaceable 3V camera battery
- 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; IECEx scheme
- 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

Compact and affordable the GasAlert Extreme detectors are available for a wide variety of atmospheric hazards. The GasAlert Extreme is highly water-resistant, with an IP66/67 fully immersible, EMI / RF 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 internal vibrator alerts 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 easy to change 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 available with optional datalogging and multi-language support. Datalogging detectors include a built-in IR COM port for automatic data transfer to a computer or MicroDock II docking station module. No wires necessary!

The GasAlert Extreme continues the proud BW Technologies by Honeywell 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



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**SPECIFICATIONS** To receive a calibration and/or repair quote-RMA from R.A.E. Services Inc.  
Click here>> [www.raeservices.com/services/quote.htm](http://www.raeservices.com/services/quote.htm)

**DETECTOR:** Single gas detector

GasAlert Extreme 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 Sulphide (H2S)	0-100 ppm	10 ppm	15 ppm	10 ppm	15 ppm	15-90	-40 to +50°C -40 to +122°F
Hydrogen Sulphide (H2S)	0-500 ppm	10 ppm	15 ppm	10 ppm	15 ppm	15-90	
Sulfur Dioxide (SO2)	0-100.0 ppm	2.0 ppm	5.0 ppm	2.0 ppm	5.0 ppm	15-90	
Hydrogen Cyanide (HCN)	0-30.0 ppm	4.7 ppm	10.0 ppm	4.7 ppm	10.0 ppm	15-90	
Carbon Monoxide (CO)	0-1000 ppm	35 ppm	200 ppm	35 ppm	200 ppm	15-90	-30 to +50°C -22 to +122°F
Carbon Monoxide (CO) (Low H2 sensitivity)	0-1000 ppm	35 ppm	200 ppm	35 ppm	200 ppm	15-90	
Ammonia (NH3) (High range)	0-400 ppm	25 ppm	35 ppm	25 ppm	50 ppm	15-90	-20 to +40°C -4 to +104°F
Ammonia (NH3)	0-100 ppm	25 ppm	35 ppm	25 ppm	50 ppm	15-90	
Chlorine (Cl2)	0-50.0 ppm	0.5 ppm	1.0 ppm	0.5 ppm	1.0 ppm	10-95	-20 to +50°C -4 to +122°F
Nitrogen Dioxide (NO2)	0-100 ppm	2.0 ppm	5.0 ppm	2.0 ppm	5.0 ppm	15-90	
Phosphine (PH3)	0-5.0 ppm	0.3 ppm	1.0 ppm	0.3 ppm	1.0 ppm	15-90	
Ethylene Oxide (ETO)	0-100.0 ppm	1.0 ppm	5.0 ppm	1.0 ppm	5.0 ppm	15-90	
Chlorine Dioxide (ClO2)	0-1 ppm	0.1 ppm	0.3 ppm	0.1 ppm	0.3 ppm	15-95	
Ozone (O3)	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.) (O2)	0-30%	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 1 ft / 0.3 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 after calibration 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 IP66/67 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 in. / 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: Up to 8 months of continuous data at 5 second intervals (based on a normal work week). When full, wraparound memory feature replaces oldest data with most recent data

**WARRANTY:** 2 years including sensor, except NH3 (one year)