

# GasAlertClip Extreme

H<sub>2</sub>S, SO<sub>2</sub>, CO or O<sub>2</sub>

2 Year Disposable Gas Detector

"INNOVATORS IN GAS DETECTION"

# BW

Technologies



ACTUAL SIZE

# Water Resistant

## Extreme protection!

## Extreme durability!

## Extreme value!

### Protect Yourself

- △ Two years of protection with zero maintenance costs
- △ Continuous, alphanumeric, status LCD shows detector life remaining, alarm setpoints and advises self-test status
- △ Rugged, IP-66/67 highly water-resistant design
- △ Built-in concussion-proof boot
- △ Records and displays the peak alarm encountered and the time elapsed since the exposure occurred
- △ Automatic event logging records 10 most recent alarm events that can be downloaded via infrared port
- △ Two alarm levels (Low / High)
- △ Provides typical 95 dB tone and bright, quad-LED indication on alarm
- △ Internal vibrator alarm
- △ Compact (1.1 x 2.0 x 3.2 in. / 28 x 50 x 81 mm) and lightweight (2.7 oz. / 76 g)
- △ Maintenance free—no sensor or battery replacement, no calibration, no downtime
- △ Full-function self-test of audible/visual alarms, plus integrity of sensor, battery and circuitry
- △ Continuously ON—one-button activation, test and data transmission
- △ Comes complete with rugged, stainless-steel alligator belt clip and test cap
- △ Instructions in local languages included
- △ Optional hard hat clips available



CLASSIFIED  
UL US

ATEX CE



and  
others

### Ordering Information

2 Year GasAlertClip Extreme Detectors with Event Logging

GA24XT-H	H <sub>2</sub> S detector
GA24XT-M	CO detector
GA24XT-S	SO <sub>2</sub> detector
GA24XT-X	O <sub>2</sub> detector

#### Accessories

GA-TS02	GasAlertClip automatic test station
GA-HC-1	Hard hat clip (for use with alligator clips GA-AG-1 and GA-AG-2)
GA-AG-1	Alligator clip (non-conductive)
GA-CL-1	Belt clip (stainless steel)
GA-NS-1	Neck strap w/ safety release
GA-USB2	Infrared DataLink USB adapter
GPR-PRINTER2	Infrared cordless printer*
GA-TC-1	Test cap and hose

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

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



# MERLIN LAZER

# GasAlertClip Extreme

H<sub>2</sub>S, SO<sub>2</sub>, CO or O<sub>2</sub>

## 2-Year Gas Detection with Event Logging

Simply press the START/TEST button and the GasAlertClip Extreme is ready to use, providing two years of continuous, maintenance-free operation from the day of activation.

The GasAlertClip Extreme is highly water-resistant, with an IP-66/67 housing fully immersible to a depth of one meter. The GasAlertClip Extreme housing includes an integral concussion-proof boot, and a heavy-duty, stainless steel, alligator style belt-clip. A large easy-to-read LCD shows detector life remaining, alarm setpoints, and peak alarm exposures.

The detector's life remaining is displayed in months, days, then hours. A full-function self-test verifies sensor, circuitry and battery integrity as well as function of the audible, visual and vibrator alarms.

Stored data can be transmitted directly by IR link to a cordless infrared printer for immediate printout, or to a personal computer by means of an IR adapter connected to the computer's USB port.

The GasAlertClip Extreme is equipped with two alarm setpoints used to activate a high output 95 dB (typical) audible alarm, a bright, wide-angled quad LED visual alarm and a built-in vibrator alarm.

Simply clip the GasAlertClip Extreme to your lapel, pocket, belt or hard-hat for unequaled, cost-effective protection.

"INNOVATORS IN GAS DETECTION"



## SPECIFICATIONS

DETECTOR: Zero-maintenance detector

Gas monitored	H <sub>2</sub> S	CO	SO <sub>2</sub>	O <sub>2</sub>
Sensor range	0-100 ppm	0-300 ppm	0-100 ppm	0-30.0 % by vol.
Low alarm level <sup>1</sup>	10 ppm	35 ppm 30 ppm (UK/EU)	5 ppm	19.5%
High alarm level <sup>1</sup>	15 ppm	200 ppm	10 ppm	23.5%
Operating temperature <sup>2</sup>	-40 to +122°F -40 to +50°C	-22 to +122°F -30 to +50°C	-22 to +122°F -30 to +50°C	-4 to +122°F -20 to +50°C
Calibration	Not required			Self-calibrating

<sup>1</sup>Customized alarm settings available at no extra charge

<sup>2</sup>Internal vibrator operates to -15 °C / +5 °F

**GENERAL SPECIFICATIONS:**  
 Rugged composite material with integral concussion-proof boot  
 Humidity: 5% to 95% RH (non-condensing)  
 EMI/RFI: Complies with EMC Directive 89/336/EEC  
 Ingress protection: IP 66/67  
 Battery: Lithium, non-replaceable  
 Continuously on: Yes  
 One-button control: Activation, self-test and alarm event data transmission  
 Full functional self-test: Verifies integrity of sensor, circuitry, battery and audible/visual alarms  
 Sensor: Electrochemical cell (temperature compensated)  
 Operational life: Two years

**INDICATORS AND ALARMS:**  
 Visual alarm: Flashing, wide-angled alarm lens with red quad-LEDs, plus flashing ALARM icon  
 Audible alarm: Pulsing, high-output siren at 95 dB (typical) at 1 ft. (0.3 m)  
 Vibrator alarm: Internal  
 Failure alarm: Yes (audible/visual/vibration)  
 Self-test pass: Yes (audible/visual/vibration)  
 Other: End of life (audible/visual/vibration)

**CONTINUOUS LCD DISPLAY:**  
 Life remaining: Status display  
 Continuously displayed in months, then days, then hours  
 Two alarm levels: LOW alarm / HIGH alarm  
 Peak alarm exposure: Records and displays peak alarm exposure, and time elapsed (up to 24 hrs.)  
 Alarm setpoints: High and low (displayed on demand in ppm or %)  
 Self-test status: Advises to "TEST" and that self-test was passed

**TESTS:**  
 Full function self-test: On activation and on demand  
 Battery: Every two hours (auto)

**EVENT LOGGING:**  
 Records and transmits up to 10 gas alarm events  
 Event information: Gas type, peak exposure level (ppm or %); alarm duration in minutes and seconds; time elapsed since the alarm occurred in days, hours and minutes, life remaining, self-tests, cumulative alarm time

Transmission method: Via infrared port to infrared printer or to USB PC adapter

**PHYSICAL SIZE:**  
 Size: 1.1 x 2.0 x 3.2 inches / 28 x 50 x 81 mm  
 Weight: 2.7 oz. / 76 g

**WARRANTY:** 2 years from activation, plus 1-year shelf life (given 3-5 minutes of alarm per day in normal operation)

*DUE TO ONGOING RESEARCH AND PRODUCT IMPROVEMENT, SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.*

**RATINGS AND CERTIFICATIONS:**

Class I, Div. 1, Gr. A, B, C, D  
 American Bureau of Shipping

ATEX: CE II 2 G  
 EEx ia IIC T4  
 CE: European Conformity

- FULL FUNCTION SELF-TEST
- ADVANCED MICROCONTROLLER OPERATION
- TWO LEVELS OF GAS ALARM
- HIGH OUTPUT AUDIBLE ALARM
- BRIGHT, WIDE-ANGLED VISUAL ALARM
- INFRARED DATA PORT
- SUPERIOR RFI PROTECTION
- RUGGED ENCLOSURE



IR DataLink

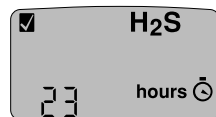


FULL-FUNCTION AUTOMATIC TEST STATION



INFRARED PRINTER

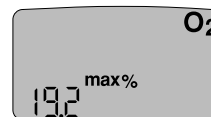
Full information STATUS display



△ Life remaining in months, days and hours



△ Advises alarm level encountered (LOW/HIGH)



△ Records and displays peak alarm exposure in past 24 hrs.



△ Displays alarm setpoints in ppm or %

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