



# GasAlert100

## H<sub>2</sub>S or CO

### 100 Day Disposable Gas Detectors

The GasAlert100 is a practical, cost-effective solution to short-term work projects. The GasAlert100 provides 100 days of continuous, maintenance-free operation from the day of activation. Operated by an advanced microcontroller and electrochemical sensor, GasAlert100 is equipped with two levels of alarm and a continuous, alphanumeric confidence LCD.

Simply press the START/TEST button and the GasAlert100 is ready for use. The life remaining is displayed in days and then hours. The full function self-test verifies sensor, circuit and battery integrity and audible/visual alarms. Alarm setpoints are displayed on command.

The rugged, compact GasAlert100 is designed with the most advanced RFI protection available in industry today. Simply clip the instrument to your lapel, pocket, belt or hard hat for unequalled protection.

## SPECIFICATIONS

**DETECTOR:** Disposable, zero-maintenance gas detector

Model:	GasAlert100 H <sub>2</sub> S	GasAlert100 CO
Operational life <sup>1</sup> :	100 days	100 days
Sensor range:	0-100 ppm	0-300 ppm
Low alarm level <sup>2</sup> :	10 ppm	35 ppm
High alarm level <sup>2</sup> :	15 ppm	200 ppm
Operating temperature:	-22 to +113 °F -30 to +45 °C	+5 to +113 °F -15 to +45 °C
Calibration:	Not required	

Continuously on: Yes  
 One-button control: Activation and self-test  
 Full function self-test: Verifies sensor, circuitry and battery integrity and audible/visual alarms  
 Sensor: Electrochemical cell (temperature compensated)

### INDICATORS AND ALARMS

Visual gas alarm: Flashing, wide-angled alarm lens with dual red LEDs plus ALARM LCD readout  
 Audible gas alarm: Pulsing siren ~95 dB at 1 ft./0.3 m  
 Failure alarm: Yes (audible/visual)  
 Self-test pass: Yes (audible/visual)  
 Other: End of life (audible/visual)

### CONTINUOUS LCD DISPLAY:

Alphanumeric status panel LCD advises:  
 Gas monitored: H<sub>2</sub>S or CO  
 Life remaining: Continuously displayed in days and then hours  
 Two alarm levels: LOW alarm / HIGH alarm  
 Peak alarm levels: Records and displays peak alarm exposure, and time elapsed (up to 24 hrs.)  
 Alarm setpoints: High and low (displayed on demand in ppm)  
 Self-test status: Advises to "TEST" and that self-test was passed "✓"

### TESTS

Full function self-test: On demand, as often as once every 20 hours and on activation  
 Battery: Every two hours (auto)

### GENERAL SPECIFICATIONS:

Impact-resistant ABS enclosure  
 Humidity: 5% to 95% RH (non-condensing)  
 EMI/RFI: Complies with EMC Directive 89/336/EEC  
 Battery: Lithium, non-replaceable  
 Size: 1.0 x 1.45 x 2.3 inches / 26 x 37 x 58 mm  
 Weight: 1 oz. / 30 g

**WARRANTY:** 100 days from activation plus 1 year shelf life

<sup>1</sup>Given 3-5 minutes of alarm per day in normal operation

<sup>2</sup>Customer special alarm settings available

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

**RATINGS AND CERTIFICATIONS:**  
 (Intrinsic safety)

UL Class I, Div. 1, Groups A, B, C, D  
 Class I, Zone 0, Gr. IIC

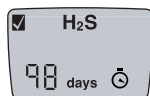
**ATEX:** CE II 1 G  
 EX Approval: EEx ia IIC (in progress)  
 CE: European Conformity (in progress)

- FULL FUNCTION DAILY SELF-TEST
- ADVANCED MICROCONTROLLER OPERATION
- TWO LEVELS OF GAS ALARM
- 95 dB AUDIBLE ALARM
- BRIGHT, WIDE-ANGLED VISUAL ALARM BAR
- SUPERIOR RFI PROTECTION
- RUGGED ENCLOSURE



Interactive Product Demo CD-ROM

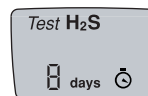
Full Information STATUS Panel



▲ Displays life remaining in days and hours



▲ Advises alarm level encountered (LOW/HIGH)



▲ Display automatically advises self-test is due



▲ Displays alarm setpoints in ppm

"INNOVATORS IN GAS DETECTION"



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