GasAlert LEL
Combustible Gas and Vapors

"INNOVATORS IN GAS DETECTION"

BW Technologies

Combustible Gas Detector   0-100% LEL

ACTUAL SIZE

Protect Yourself

⚠ Continuous LCD shows real-time gas concentration with backlight in low light (auto); in alarm (auto) and on demand

⚠ Compact (1.5 x 2.0 x 3.75 in / 38.5 x 50 x 95 mm) and lightweight (4.6 oz. /131 g)

⚠ Provides 90 dB tone and bright LED indication on alarm (typical)

⚠ Available with internal vibrating alarm

⚠ Simple, automatic calibration procedure

⚠ Peak value displayed on command in % LEL

⚠ LOW and HIGH alarms with adjustable setpoints

⚠ Over Limit alarm and sensor protection

⚠ User field options include: Pass Code Protection, Latching High Alarm and Confidence Beep

⚠ Equipped with a plug-in replaceable sensor

⚠ Powered by a integral rechargeable lithium ion battery

⚠ Intrinsically safe to U.S., European and Canadian standards

⚠ Full function self-test of: sensor, battery and circuitry integrity; and audible/visual alarms

⚠ Pocket/belt clip, test cap and hose, battery, charger and instructions in local languages included

CLASSIFIED C UL US   **ATEX** CE Ex   **and others**

5-Port Multi-Charger

ISO ISO9001:2000 Registered

Ordering Information

www.gasmonitors.com
Email: info@bwtnet.com

GasAlert LEL

0-100% LEL

Single-Gas Detector

GasAlert LEL provides extraordinary cost of ownership advantages, including automated calibration and simple push-button controls. Both of these features lowers your training and maintenance costs. GasAlert LEL is operated by an advanced microcontroller and is equipped with a plug-in, poison resistant catalytic bead sensor and high output audible/visual alarms.

The Over Limit alarm is latching and must be acknowledged by the user to shut it OFF. User field options include Pass Code Protection, Latching High Alarm and Confidence Beep.

The bright, large LCD shows real-time gas concentrations and the instrument's status at all times. The full function self-test verifies sensor, circuitry and battery integrity and activates the audible/visual alarms each time you turn the instrument on. The detector clearly advises the gas hazard present—Low and High gas alarms. Recorded Peak exposures can be displayed on demand.

The compact, rugged GasAlert LEL is designed with the most advanced RFI protection available today. Delivered ready for use, simply clip the instrument to your pocket or belt for unequalled protection.

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For further information:
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BW1005-01-01-00-8.25x11-20040726-5006-6

SPECIFICATIONS

DETECTOR: Single-gas detector

GasAlert LEL:	Measuring Range	Alarms		
		[1]Low Level	[1]High Level	Over Range
Combustible Gases/Vapors:	0-100%LEL	10% LEL	20% LEL	100% LEL

[1]Factory defaults are shown. Alarm levels are field adjustable.

Auto zero:	Yes
Calibration:	Automatic
Backlight:	Low light (auto); alarm condition (auto); on demand
Full function self-test:	Verifies integrity of sensor, circuitry and battery; audible/visual alarms
Sensor:	Catalytic bead. Poison resistant (equipped with filters to eliminate the poisoning effects of silicone vapors and sulfur compounds).

INDICATORS AND ALARMS:	Clearly advises alarm levels both visually and audibly
Visual alarm:	Wide-angled alarm lens, plus alarm LCD readout
Audible alarm:	High-output, pulsing 90 dB at 1 ft. / 0.3 m (typical)
Over limit alarm:	Latching alarm at 100% LEL
User field options:	Pass Code Protection, Latching High Alarm and Confidence Beep
Confidence beep:	Every 5 seconds (field-selectable)
Other:	Low battery; off warning; sensor fail
Optional internal vibrator:	Vibrates in sync with audible and visual alarms

CONTINUOUS LCD DISPLAY:	Alphanumeric gas readout and status display advises:
Gas %:	Continuously displays gas concentration present
Peak %:	Records and displays peak (maximum) exposure to gas on demand
Setpoints:	Displayed on activation (auto) and on demand in %

TESTS:	
Full function self-test:	Full function self-test on activation (auto)
Battery:	Continuous (auto)
GENERAL SPECIFICATIONS:	Shock-resistant ABS enclosure
Operating temperature	-20 to +45 °C / -4 to +114 °F
Humidity:	5% to 95% RH (non-condensing)
EMI/RFI:	Complies with EMC Directive 89/336/EEC
Battery Type:	Rechargeable integral lithium ion
Battery Life:	Up to 14 hours per charge; 500 to 600 charges
Size:	1.5 x 2.0 x 3.75 inches / 38.5 x 50 x 95 mm
Weight:	4.3 oz. / 131 g

WARRANTY: 2 years including sensor

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

RATINGS AND CERTIFICATIONS:
(Intrinsic safety)

UL: Class I, Div. 1, Gr. A, B, C, D
BAM: 03 ATEX 0001 x

ATEX: CE II 2 G
EEx ia d IIC
CE: European Conformity
T-Code: N.A. T3C
Europe T4

1. LARGE, ALPHANUMERIC DISPLAY
2. ADVANCED MICROCONTROLLER-BASED OPERATION
3. CATALYTIC SENSOR
4. BRIGHT, WIDE-ANGLED VISUAL ALARM LENS
5. HIGH-OUTPUT 90 dB AUDIBLE ALARM
6. AUTO ZERO, AUTO CALIBRATION
7. AUTO BACKLIGHT
8. LOW, HIGH AND OVER RANGE ALARMS
9. ALARM ACKNOWLEDGE FEATURE
10. RUGGED, COMPACT, LIGHTWEIGHT

Full Information STATUS Panel with easy prompts:

△ Advises Alarm Level encountered (LOW/HIGH)

△ Auto zero and easy prompted calibration

△ Records and displays Peak (Max) exposure

△ LOW battery

Locally distributed by: