

# GasAlertMicroClip

H<sub>2</sub>S, CO, O<sub>2</sub>, Combustibles

"INNOVATORS IN GAS DETECTION"



## Multi-Gas Detector



ACTUAL SIZE

### Protect Yourself

- ▲ Rugged, ultra-compact (4.2 x 2.4 x 1.4 in / 10.7 x 6.0 x 3.6 cm) and lightweight (5.6 oz. / 160 g)
- ▲ Simple one-button operation
- ▲ Standard datalogger (16 hours) and event logger (10 events)
- ▲ Durable stainless steel alligator clip
- ▲ Integral concussion-proof boot for the most rugged environments
- ▲ Continuous LCD shows simultaneous gas concentrations for H<sub>2</sub>S, CO, O<sub>2</sub>, and combustibles (0-100% LEL or 0-5.0% Methane)
- ▲ Powered by a lithium polymer battery (run-time typically 12 hours; recharges in less than 3 hours)
- ▲ Provides 100 dB alarm tone (typical) and bright wide-angled alarm bars
- ▲ Equipped with internal vibrating alarm for high noise areas
- ▲ Backlight: in alarm (auto) and on demand reactivation
- ▲ Four alarm levels: Instant Low and High Alarm for all gases; TWA (time weighted average) and STEL (short term exposure limit) for H<sub>2</sub>S, CO; OL (over limit alarm)
- ▲ Simple one-button automatic calibration procedure
- ▲ Fully compatible with BW's MicroDock II automatic test and calibration system
- ▲ Records TWA, STEL and maximum exposures to gas and displays readings on command
- ▲ User selectable options include: confidence beep, latching alarm, calibration due date, bump due date, "SAFE" display function, multi-language, span concentration values, combustible sensor measurement selection (0-100% LEL or 0-5.0% v/v methane) and stealth mode
- ▲ Full function self-test of sensor, battery, circuitry and audible/visual/vibration alarms
- ▲ Delivered ready for use with sensors, lithium polymer battery, stainless steel alligator belt clip, calibration hose/cap and instructions



**Water  
Resistant**

### Ordering Information

GasAlertMicroClip is delivered ready for use with sensors (as specified), stainless steel alligator clip, battery charger, calibration cap/hose, instructions in local languages and interactive training CD.

H <sub>2</sub> S, CO, O <sub>2</sub> , LEL	MC-XWHM-Y-NA-00
H <sub>2</sub> S, O <sub>2</sub> , LEL	MC-XWH0-Y-NA-00
CO, O <sub>2</sub> , LEL	MC-XW0M-Y-NA-00
O <sub>2</sub> , LEL	MC-XW00-Y-NA-00
H <sub>2</sub> S, CO	MC-00HM-Y-NA-00

#### Value Added Confined Space Kits

Kits include detector, standard accessories plus an IR Connectivity Kit, hard-sided, foam-lined carrying case, sampling equipment and calibration gas cylinders(s) with regulator(s).

H <sub>2</sub> S, CO, O <sub>2</sub> , LEL	MC-XWHM-Y-NA-07
H <sub>2</sub> S, O <sub>2</sub> , LEL	MC-XWH0-Y-NA-10
CO, O <sub>2</sub> , LEL	MC-XW0M-Y-NA-16
O <sub>2</sub> , LEL	MC-XW00-Y-NA-22
H <sub>2</sub> S, CO	MC-00HM-Y-NA-25

Note: for regions outside North America, replace "NA" with:

EU: Europe UK: United Kingdom ME: Middle East AU: Australia CN: China CH: Switzerland  
OR: Other regions with 3-pin UK plug OE: Other regions with 2-pin EU plug

#### Accessories

- IR Connectivity Kit
- MicroDock II—automatic calibration and test station
- SamplerPak—motorized sampling pump
- Manual Sampling Kit—aspirator pump
- Vehicle charger kit

[www.egm-ltd.com](http://www.egm-ltd.com)

Email: [info@egm-ltd.com](mailto:info@egm-ltd.com)

**ISO**  
ISO9001:2000  
Registered

# GasAlertMicroClip

H<sub>2</sub>S, CO, O<sub>2</sub>, Combustibles

Multi-Gas Detector

"INNOVATORS IN GAS DETECTION"



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## SPECIFICATIONS

Gas:	H <sub>2</sub> S	CO	O <sub>2</sub> (% by vol.)	Combustibles
Measuring Range:	0-100 ppm 0-200 ppm	0-500 ppm 0-1000 ppm	0-30.0%	0-100 % LEL or 0-5% by vol. methane

**DETECTOR:** 1, 2, 3 or 4-gas detector

Auto zero: Yes

Calibration: Automatic

Backlight: Alarm condition (auto) and reactivation on demand

Sensor: Plug-in, electrochemical cell (toxic and oxygen); plug-in, catalytic bead (LEL)

User options: Adjustable STEL period (5 to 15 minutes in 1 minute intervals); set calibration span levels and due date; toggle ON/OFF; oxygen auto-calibration at start-up; auto-zero LEL, CO and H<sub>2</sub>S on start-up; latching alarms; "SAFE" display function (does not display gas concentrations unless detector goes into alarm); stealth mode for silent operations; force calibration when calibration overdue; calibration lockout (calibration must be invoked via IR); force bump test; bump test reminder; multi-language LCD selection in English, French, German, Portuguese and Spanish; 0-100% LEL (Lower Explosive Limit) or Methane gas 0-5.0% v/v selectable measurement; alarm setpoint disable (set to zero for off); calibration due date (1 to 365 days, or set to zero for off); confidence beep (every 10 seconds when enabled); individual sensor enable/disable

**ALARM INDICATORS:** Clearly advises alarm levels with visual, audible and vibrating alarms

Visual alarms: Wide-angled flashing LED alarm bars

LCD indicates gas present and alarm levels encountered

Audible alarm: 95+ dB variable pulsed audible alarm at 11.81 in. / 30 cm (100 dB typical)

Vibrator alarm: Pulses warning in gas alarm conditions, or for any status alarms

Other: Low battery, over range, multiple gas and missing sensor

**ALARM LEVELS:** Instantaneous Low Alarm for all gases; instantaneous High Alarm for all gases; TWA (time weighted average) and STEL (short term exposure limit) for H<sub>2</sub>S, CO; OL (over limit alarm)

**LCD:** Continuous, alphanumeric gas readout and status display advises:

Gases monitored: H<sub>2</sub>S, CO, O<sub>2</sub>, combustibles (0-100% LEL or 0-5.0% v/v methane)

Gas concentration: Simultaneous and continuous display of gas concentration(s) present (in ppm, %LEL, or % v/v)

STEL/TWA ppm: Records STEL and TWA exposures and displays on demand

Peak ppm or %: Records and displays peak exposure to gas and displays on demand

Alarm setpoints: Displayed on activation

**TESTS:**

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

Battery: Continuous

**GENERAL SPECIFICATIONS:** Rugged, composite material with integral concussion-proof boot

Operating temperature: -4 to 136 °F / -20 to 58 °C

Temperature code: T4

Humidity: 0% to 95% RH (non-condensing)

EMI/RFI: Complies with EMC Directive 89/336/EEC

Ingress Protection: IP66/67 (expected)

Battery run-time: Up to 12 hours (typical)

Size: 4.2 x 2.4 x 1.4 in. / 10.7 x 6.0 x 3.6 cm

Weight: 5.6 oz. / 160 g

**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; serial number; self-tests; cumulative alarm time

**DATALOGGER:** User-downloadable datalogger

Data recorder: All events and occurrences

Sampling rate: Factory set at 15-second intervals

Storage: 16 hours; when full, the wraparound feature replaces oldest data with most recent data

**WARRANTY:** Full 2 year warranty including all sensors

Due to ongoing research and product improvement, specifications are subject to change without notice.

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

Class I, Div. 1, Gr. A, B, C, D

**ATEX:** CE II 1 G

EEx ia IIC

**IECEX:** Ex ia IIC



- 1 Rugged and compact: equipped with integral IP66/67 (expected) concussion-proof boot
- 2 Triple Alarm System: 100 dB audible (typical), alarm bars and internal vibrator alarm
- 3 Large, high-contrast LCD shows real-time gas concentrations for up to four gases simultaneously and continuously
- 4 Easy, one-button operation
- 5 Standard datalogging and event logging
- 6 12 hour run-time on rechargeable lithium battery (3 hour recharge)