

# 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 eventlogger (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 14 hours; recharge in less than 3 hours)
- ▲ Provides 95 dB alarm tone 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 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



### 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 a 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-10
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 CH: China SW: 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.CanarySense.com](http://www.CanarySense.com)

Email: [info@optimumenergy.com](mailto:info@optimumenergy.com)

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Multi-Gas Detector

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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

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

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

User options: Adjustable STEL period (5 to 15 minutes in 1 minute intervals); set calibration span levels and due date; toggle ON/OFF; confidence beep, 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 readings change), 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 (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% methane)

Gas concentration: Simultaneous and continuously displays 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 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: 5% to 95% RH (non-condensing)

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

Ingress Protection: IP66/67 (expected)

Battery run-time: Up to 14 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: Class I, Div. 1, Gr. A, B, C, D (Intrinsic safety)

ATEX: CE II 1 G\*  
EEx ia IIC\*

IECEX: Ex ia IIC  
\*in progress



1 Rugged and compact: equipped with integral IP66/67 (expected) concussion-proof boot

2 Triple Alarm System: 95 dB audible, 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 14 hour run-time on rechargeable lithium battery (3 hour recharge)

Visit [www.CanarySense.com](http://www.CanarySense.com)