

# Multi Gas Clip Infrared

**The first portable multi gas detector  
with a battery life of months instead of hours**



- Operates for 2 months continuously on a single charge
- Detects combustible gases (LEL), hydrogen sulfide (H<sub>2</sub>S), carbon monoxide (CO) & oxygen (O<sub>2</sub>)
- 1-year calibration cycle saves test gas & valuable time
- Infrared LEL sensor does not require oxygen to detect gas
- Low maintenance cost - infrared LEL sensor is immune to poisons
- Simple-to-use one-button operation - large, easy-to-read screen
- Lightweight & durable - alligator clip clamps on tight

**Bump testing before each day's use is advised.**

**\*All detectors are charged and calibrated during manufacturing.**

**gasclip**  
technologies

Portable Gas Detectors You Can Count On

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# Multi Gas Clip Versions

<b>Multi Gas Clip Infrared</b> Part# MGC	Infrared four gas detector H <sub>2</sub> S, CO, O <sub>2</sub> & LEL
<b>Multi Gas Clip Pellistor</b> Part# MGC-P	Pellistor four gas detector H <sub>2</sub> S, CO, O <sub>2</sub> & LEL

Included with all detectors: charger, calibration cap, calibration certification & Quick Start Guide

## Multi Gas Clip Accessories



**Multi Gas Clip Dock**  
Part# MGC-DOCK\*

**High Pressure** Part# MGC-DOCK-HP



**Multi Gas Clip Wall Mount Dock**  
Part# MGC-WMDOCK\*

**High Pressure** Part# MGC-WMDOCK-HP



**MGC Confined Space Kit w/Gas**

Part# GCT-CSK-GAS\*

**Kit Without Gas** Part# GCT-CSK



**Quad Gas Cylinders**

25ppm H<sub>2</sub>S, 100ppm CO, 18% O<sub>2</sub> & 50% LEL  
58L Part# MGC-Q-58 or 116L Part# MGC-Q-116



**GCT IR Link**

Part# GCT-IR-LINK



**MGC Vehicle Charger**

Part# MGC-V-CHARGER1



**MGC Multi Charger**

Part# MGC-CHRG-MULTI



**MGC Hand Aspirator Kit**

Part# MGC-HAK

\*Detector(s) not included  
Please contact Gas Clip Technologies for additional spares, accessories and gas.

**Distributed by:**

# SPECIFICATIONS

<b>Size • Weight</b>	4.7" H x 2.4" W x 1.2" D (118.6 x 61.6 x 31.7 mm) • 7.7 oz. (240 g)
<b>Temperature</b>	-4° to +122°F (-20° to +50°C)
<b>Humidity</b>	5% to 95% RH (non-condensing)
<b>Battery Life</b>	Infrared versions.....60 days (continuous) Pellistor versions.....25 hours (typically)
<b>Charge Time</b>	4 - 6 hours
<b>Alarms</b>	Visual, vibrating & audible (minimum 95 dB) Low, High, STEL, TWA & OL (Over Limit)
<b>LEDs</b>	4 Red alarm bar LEDs Yellow back-light (activated on button press) Red back-light (activated on alarm condition) Yellow maintenance notification LED
<b>Display</b>	High viewing angle alphanumeric Liquid Crystal Display (LCD)
<b>Logs</b>	25 Bump tests 25 Events 25 Calibrations Continuous 1-second data logging (typical capacity > 2 months)
<b>Tests</b>	Full-function self-test upon activation Sensors, battery and circuitry tests run continuously
<b>Ratings</b>	EMC Directive 2004/108/EC IP 67

## Certifications and Approvals



**CSA:** CSA13CA0014  
Intrinsically Safe/Sécurité Intrinsèque  
Class I, Division 1, Group A, B, C and D  

- **MGC (IR), MGC-2 (discontinued):** Ex ia IIC T4 Ga  
Class I, Zone 0, AEx ia IIC T4 Ga
- **MGC-P (MEMS):** Ex da ia IIC T4 Ga  
Class I, Zone 0, AEx da ia IIC T4 Ga
- **MGC-P (KNC), MGC-2-P (discontinued):** Ex db ia IIC T4 Gb  
Class I, Zone 1, AEx db ia IIC T4 Gb

-20°C ≤ Ta ≤ 50°C; 4.2 Vdc  
ANSI/ISA 12.13.01-2000  
C22.2 No 152 - M1984  
C22.2 No 60079-0:11  
C22.2 No 60079-11:11



**IECEx:** IECEx CSA 13.0014  

- **MGC (IR), MGC-2 (discontinued):** Ex ia IIC Ga
- **MGC-P (MEMS):** Ex da ia IIC T4 Ga  
IEC 60079-1:2014-06 Edition: 7.0
- **MGC-P (KNC), MGC-2-P (discontinued):** Ex db ia IIC T4 Gb  
IEC 60079-1:2014-06 Edition: 7.0

-20°C ≤ Ta ≤ 50°C  
IEC 60079-0:2011 Edition: 6.0  
IEC 60079-11:2011 Edition: 6.0



**ATEX:** SIRA 14ATEX2013  

- **MGC (IR), MGC-2 (discontinued):** Ex ia IIC T4 Ga
- **MGC-P (MEMS):** Ex da ia IIC T4 Ga
- **MGC-P (KNC), MGC-2-P (discontinued):** Ex db ia IIC T4 Gb

-20°C ≤ Ta ≤ 50°C  
EN 60079-0:2012/A11  
EN 60079-11:2012  
EN 60079-26:2007  
EN 60079-1:2014



## Warranty Gases

Full 2 years	
H <sub>2</sub> S.....	0 - 100 ppm (0.1 ppm increments)
CO.....	0 - 500 ppm (1 ppm increments)
Combustible (LEL)...	0 - 100% LEL (0.1% increments)
O <sub>2</sub> .....	0 - 30% vol. (0.1% increments)

## Sensor Type

H<sub>2</sub>S, CO & O<sub>2</sub>.....Plug-in electrochemical cell  
Combustible (LEL)....Plug-in infrared or pellistor

## Recommended Calibration Frequency

Infrared versions.....1 year  
Pellistor versions.....6 months

# USER OPTIONS

Custom user message	Maintenance notification
TWA/STEL intervals	TWA method
Languages (6)	Sensor enable/disable
Latching alarms	SAFE display
Self-test lock	Dock lock
Auto-zero on start up	Calibration gas percentage
Bump test interval	Calibration interval
Low/High alarm	TWA/STEL alarm
Off-Lock	% LEL or % CH4 by-vol



Specifications are subject to change without notice due to ongoing product development.  
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