

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 (H₂S), carbon monoxide (CO) & oxygen (O₂)
- 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

Multi Gas Clip Infrared Part# MGC	Infrared four gas detector H ₂ S, CO, O ₂ & LEL
Multi Gas Clip Pellistor Part# MGC-P	Pellistor four gas detector H ₂ S, CO, O ₂ & 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 H₂S, 100ppm CO, 18% O₂ & 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:



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SPECIFICATIONS

Size • Weight

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)

Temperature

-4° to +122°F (-20° to +50°C)

Humidity

5% to 95% RH (non-condensing)

Battery Life

Infrared versions.....60 days (continuous)

Pellistor versions.....25 hours (typically)

Charge Time

4 - 6 hours

Alarms

Visual, vibrating & audible (minimum 95 dB)

Low, High, STEL, TWA & OL (Over Limit)

LEDs

4 Red alarm bar LEDs

Yellow back-light (activated on button press)

Red back-light (activated on alarm condition)

Yellow maintenance notification LED

Display

High viewing angle alphanumeric Liquid Crystal Display (LCD)

Logs

25 Bump tests

25 Events

25 Calibrations

Continuous 1-second data logging (typical capacity > 2 months)

Tests

Full-function self-test upon activation

Sensors, battery and circuitry tests run continuously

Ratings

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

Full 2 years

Gases

H₂S.....0 - 100 ppm (0.1 ppm increments)

CO.....0 - 500 ppm (1 ppm increments)

Combustible (LEL)...0 - 100% LEL (0.1% increments)

O₂.....0 - 30% vol. (0.1% increments)

Sensor Type

H₂S, CO & O₂.....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

TWA/STEL intervals

Languages (6)

Latching alarms

Self-test lock

Auto-zero on start up

Bump test interval

Low/High alarm

Off-Lock

Maintenance notification

TWA method

Sensor enable/disable

SAFE display

Dock lock

Calibration gas percentage

Calibration interval

TWA/STEL alarm

% LEL or % CH₄ by-vol

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

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MGC v3.14