

Multi Gas Clip Pump

**PUMPED up multi gas detector with internal pump
runs 52 hours continuously on a single charge**



- Operates with pump on for 52 hours continuously*
- Detects combustible gases (LEL), hydrogen sulfide (H₂S), carbon monoxide (CO) & oxygen (O₂)
- Powerful but quiet pump draws from up to 75 feet
- 1-year calibration cycle* saves test gas & valuable time
- Detects accurately in oxygen-depleted environments
- Low maintenance cost
- Infrared LEL sensor is immune to poisons
- Simple 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.



John M. Ellsworth Co., Inc.

P.O. Box 240072
8700 West Bradley Road
Milwaukee, WI 53224

800-333-3331 **PHONE**

info@jmesales.com **E-MAIL**
www.JMESales.com **WEB**

Multi Gas Clip Pump Version

Multi Gas Clip Pump IR Part# MGC-IR-PUMP

Infrared four gas detector
with internal pump for
H₂S, CO, O₂ & LEL

Included with detector: charger, ten foot sampling hose, stainless steel diffusion stone, ten additional filters (five hydrophobic and five particulate), calibration certificate & Quick Start Guide.

Multi Gas Clip Pump Accessories



MGC Pump Clip Dock*
Part# MGC-DOCK-PUMP
High Pressure
Part# MGC-DOCK-PUMP-HP



**MGC Pump Clip Dock
Wall Mount***
Part# MGC-WMDOCK-PUMP
High Pressure
Part# MGC-WMDOCK-PUMP-HP



6ft. Telescoping Sampling Probe
Part# PROBE-TS



MGC Remote Sampling Probe
Part# MGC-PROBE-1



MGC Pump Quick Disconnect*
Part# MGC-PUMP-QD



MGC Multi Charger
Part# MGC-CHARGER-MULTI



GCT IR Link
Part# GCT-IR-LINK



MGC Vehicle Charger
Part# MGC-CHARGER-V

*Detector(s) and/or Telescoping Sampling Probe not included.

Please contact us for additional accessories and spare parts.

Distributed by:



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SPECIFICATIONS

Size • Weight

5.7" H x 3.0" W x 1.5" D (147 x 78 x 38.3 mm) • 12.4 oz. (352 g)

Temperature

-4° to +122°F (-20° to +50°C)

Humidity

5% to 100% RH (non-condensing)

Battery Life

52 hours (continuous)

Charge Time

4 - 6 hours

Alarms

Visual, vibrating & audible (minimum 95 dB)
Pump, 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

Gas Inlet

1/8" Stainless steel barbed fitting

Pump Draw

Sample from up to 75 ft. (23 m)

Sample Delay Time

Less than 1 second per 1 ft. (0.3m) with 1/8 in. ID tubing

Certifications and Approvals



CSA: CSA 14.2696027
Class I, Division 1, Groups A, B, C
and D, T4
Ex ia IIC T4 Ga
Class I, Zone 0, AEx ia IIC T4 Ga
-20°C ≤ Ta ≤ +50°C 3.8Vdc nominal
ANSI/ISA 12.13.01-2000
C22.2 No. 152-M1984



IEC: IECEx CSA 14.0029
Ex ia IIC Ga
-20°C ≤ Ta ≤ +50°C
IEC 60079-0:2011 Edition: 6.0
IEC 60079-11:2011 Edition: 6.0



ATEX: Sira 14ATEX2120
Ex II 1 G
Ex ia IIC T4 Ga
-20°C ≤ Ta ≤ +50°C
EN 60079-0:2012/A11
EN 60079-11:2012
EN 60079-26:2007



UKCA: CSAE 21UKEX2475
Ex II 1 G
Ex ia IIC T4 Ga
-20°C ≤ Ta ≤ +50°C
EN 60079-0:2018
EN 60079-11:2012

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 (IR) or pellistor

Recommended Calibration Frequency

1 year

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
Pump test
Maintenance notification
TWA method
Sensor enable/disable

SAFE display
Dock lock
Calibration gas percentage
Calibration interval
TWA/STEL alarm
% LEL or % by-vol

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

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DS-MGC-P v3.01