Battery Information

Low Battery Warning - With 20 minutes of run time left, the detector will beep, flash and display "LOW BAT". Notifications will continue periodically until the battery expires and the detector performs an automatic shutdown.

Charging - While charging, the battery icon will cycle and the detector will display an approximate charge percentage. Full charge occurs in 4-6 hours. For fastest charging, charge while detector is turned off.

⚠️ **Warning -** *DO NOT charge the detector in a combustible atmosphere.*

⚠️ **Warning -** *DO NOT charge the detector in temperatures above 104°F (40°C) or below 32°F (0°C).*

Additional Questions?

For additional information on the **Multi Gas Clip Pump** gas detector regarding programming, bump testing, calibrating, etc., please refer to the **Multi Gas Clip Pump User's Manual**. The manual, videos and other helpful information are available for viewing or download at **www.gascliptech.com**.

Contact Information

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gas clip technologies

Portable gas detectors you can count on

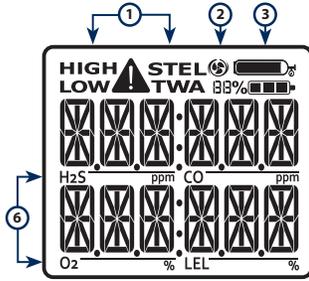**gas clip technologies**

Portable gas detectors you can count on

Multi Gas Clip Pump

Quick-Start Guide

⚠ READ FIRST BEFORE OPERATION

The Multi Gas Clip Pump is a personal safety device designed to detect the presence of hydrogen sulfide (H_2S), carbon monoxide (CO), oxygen (O_2) and combustible gases (LEL). Before operation, ensure that you have been properly trained on the use of the detector and the appropriate actions to take in the event of an alarm condition.

Display Components

Icon	Description
1	Alarm Condition
2	Pump Status
3	Calibration/Test Mode
4	Battery Indicator
5	Gas Readings
6	Gas Identifiers

When a Gas Reading (5) exceeds its alarm threshold, the detector will go into visual, vibrating and audible alarm. On the display, the ⚠ icon will appear beside the Alarm Condition (1) and the associated Gas Identifier (6) will flash off and on continuously.

⚠ *Warning - Users must familiarize themselves with the icons in both alarm and non-alarm states.*

⚠ *Warning - If the display is missing icons, or cannot be clearly read, discontinue use and contact Gas Clip Technologies.*

⚠ *Warning - The IR LEL sensor will not detect hydrogen (H_2) or acetylene (C_2H_2) gases however, due to their cross-sensitive nature, the CO sensor will go into alarm well below 10% LEL.*

Factory Default Alarms

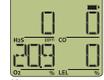| Sensor	LOW	HIGH	TWA	STEL
H_2S	10 ppm	15 ppm	10 ppm	15 ppm
CO	35 ppm	200 ppm	35 ppm	50 ppm
O_2	19.5%	23.5%		
LEL	10%	20%		

Turning On the Detector

To activate the detector, press and briefly hold down the power/menu button. Activation tone will sound. Each Gas Identifier will show a chasing "0" for the Gas Reading while it is stabilizing and self-testing. Once all Gas Identifiers have completed the warm up and stabilization sequence, < 65 seconds, the detector is ready to detect all applicable gases. Display will show:

⚠ *Before each use, check that the gas inlet and alarm port are clear of any debris or obstructions.*

⚠ *To confirm that there are no leaks in the sampling system, perform a blocked flow test 1.) daily and 2.) any time the sampling system is changed.*

Stabilizing   Fully operational

When the gas flow is blocked, the detector will go into alarm and disable the pump. Press the power/menu button to reactivate the pump.

Turning Off the Detector

Press and hold down the power/menu button until the "OFF" countdown is complete. During the countdown, the detector will beep and flash 4 times then turn off. Display will show:

Manually Calibrating the Detector

Continuously hold down the power/menu button through the "OFF" countdown and the "CAL" countdown that follows. During these countdowns, the detector will beep and flash 8 times with a pause between countdowns. Display will show:

 (pause)

Release the power/menu button when the display shows "AUTO ZERO" followed by "APPLY GAS". Connect a hose from a demand flow regulator on a gas cylinder to the detector's gas inlet and apply gas. Calibration is complete once the detector goes into alarm and the next calibration due date is displayed. Turn gas off and remove hose from regulator. Display will show:

 (connect hose)

Note: Calibration can also be done using the MGC Pump Clip Dock.