Quick Start Guide

MGC Simple Clip Dock for Gas Clip Technologies MGC Simple and MGC Simple Plus detectors

Setup and Installation

Remove thumbscrews from gas compartment door. Lift door and connect calibration gas bottle to built-in regulator. Secure bottle with strap. Install USB memory*. Lower gas compartment door and re-secure with thumbscrews. MGC Simple Clip Dock is ready to bump test, calibrate and record data. By default, the dock assumes that the installed bottle contains four gases. GCT Manager software allows you to specify these gas concentrations, as well as other operational parameters. Default gas settings: H_2S - 25 ppm, CO - 100 ppm, O_2 - 18% and LEL - 50%.

*If USB memory is not installed, the MGC Simple Clip Dock will bump test and calibrate but will be unable to record test results.

Power

The MGC Simple Clip Dock comes fully charged. It is powered by an internal rechargeable battery that can perform approximately 3000 bump tests on one charge using a 116L bottle of gas**. Dock will automatically turn itself off between tests unless the charger is connected. Pressing either the Bump Test or Calibration button will automatically activate the dock to perform the next test. When battery is low, the Power LED will blink green. Use only the included Clip Dock Charger to recharge the dock. Bay LEDs will blink orange in a cycle pattern to indicate dock is charging.

**Based on 4 detectors per bump test.

LED Status Indicators

Bay LEDs	Power LED
🟠 Test In Progress	🟢 Power On/Test Complete
🟢 Detector Passed Test	🟠 Test In Progress
🔴 Detector Failed Test	☀️ No USB Memory Detected* (blinking)
☀️ Dock Battery Charging (blinking and cycling)	☀️ Dock Battery Low (blinking)

Operation

Firmly snap 1 to 4 MGC Simple or MGC Simple Plus detectors face-down into the bays. One audible click will be heard when detector is securely seated in the bay. To start a test, push the Bump Test or Calibration button. Gas will be applied simultaneously only to bays with detectors present. Test is complete once Power LED returns to green.

🔴 **Bump Test button** - briefly applies gas to test sensor response, downloads the logs and tests the audible alarm.

🟢 **Calibration button** - adjusts the sensor response to match the gas applied, downloads the logs and tests the audible alarm.

The MGC Simple Clip Dock and the USB memory can be programmed using the GCT Manager software so that every button press will also upgrade the firmware and configure the user options of each detector.

Troubleshooting Detector Test Failures

1. Inspect the detector sensor ports and audible alarm port. Clear any obstructions and replace any clogged filters.

2. Clean the detector's IR Communication Window with a nonalcohol-based cleaner.

3. Verify, using the dock's built-in pressure gauge, that the gas bottle is not empty; 58L bottles are "full" at 500 PSI, 116L at 1000 PSI.

4. Try relocating the MGC Simple Clip Dock away from bright light sources which may interfere with IR communication between the dock and the detectors.

5. If a detector continues to fail after completing the previous steps, please contact Gas Clip Technologies Service Department at 1.877.525.0808.

ASSEMBLED IN USA

MGC-SIMPLE-CD-QSG v2

gas clip technologies

Portable gas detectors you can count on

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