gas clip technologies

Portable Gas Detectors You Can Count On

Single Gas Clip

Single Gas Clip Plus

User's Manual

GASCLIPTECH.COM

CONTENTS

WARNING STATEMENTS

⚠ If the detector is past the "Activate Before Date" on the package, please do not activate.
⚠ Do not attempt part replacement or substitution as this could impair the intrinsic safety rating and will void the warranty of the product.
⚠ Before daily use check the following:

1) Sensor and alarm ports are clear of any obstructions i.e. debris or blockage
2) Perform the Self-test to ensure proper operation of visual, audible, and vibrating alarms
3) Confirm receipt of a check mark in the upper left hand corner signaling a successful Self-test
4) Inspect the detector for any physical signs of damage

⚠ DO NOT use IR communications when an explosive atmosphere may be present.
⚠ The battery may present a fire or chemical burn hazard if mistreated. Do not disassemble, heat above 100°C (212°F) or incinerate. Contact Gas Clip Technologies for replacement instructions. Use of another battery may present a risk of fire or explosion.
⚠ Keep new and used batteries away from children.
⚠ DO NOT expose the detector to sensor poisons such as, but not limited to: alcohol, citrus-based cleaners, silicones, lead compounds (e.g. tetraethyl lead), sulfur compounds, phosphorus, halogenated hydrocarbons and aerosols. Exposure to poisons may impair the accuracy and/or response time of the detector.
⚠ If suspected sensor poisoning has occurred, recheck the detector (both calibrate and bump test).
⚠ Calibrate the SGC O_2 detector at least every 30 days. Make sure to calibrate in a clean air environment. See SGC O_2 detector section for instructions on calibration.
⚠ The CO and H_2S versions of both the Single Gas Clip and SGC Plus do not require calibration for the life of the product.
⚠ The detector should be bump tested before each day's use with a known concentration of gas to confirm its ability to respond to gas. The recommended target gas concentrations for the different detector versions are as follows-- H_2S: 25 ppm, CO: 200 ppm, O_2: 18%. Calibrate the detector if the readings are not within the specified limits.
⚠ Bump tests can be performed either manually or through the SGC Dock. If a manual test is to be performed, make sure to test in a clean air environment.
⚠ Any rapid up-scale reading followed by a declining or erratic reading may indicate a gas concentration beyond upper scale limit which may be hazardous.
⚠ Strong Electromagnetic Interference (EMI) may cause incorrect operations.
⚠ If a detector fails the self-test or bump test, please discontinue use.
⚠ The detector contains a lithium battery that must be disposed of by a qualified recycler. Check local regulations for proper disposal.
⚠ Do not substitute internal components as this may interfere with the intrinsic safety of the device.
⚠ Do not attempt to replace the battery or sensor. This product is designed to be disposable. Changing these components will void the warranty.
⚠ If you suspect any malfunction or have any technical problems please contact GCT at 877-525-0808.

⚠ READ FIRST BEFORE OPERATION

Gas Clip Technologies (GCT) Single Gas Clip and SGC Plus detectors are personal safety devices designed to detect the presence of specific toxic gases such as Carbon Monoxide (CO), Hydrogen Sulfide (H_2S) or Oxygen (O_2) deficiency. Before operation, please ensure you have been properly trained on the use of the equipment and appropriate actions to take in the event of an alarm condition.

AVERTISSEMENTS

⚠ Si le détecteur a dépassé la date « Activer avant » sur l'emballage, veuillez ne pas l'activer.
⚠ N'essayez pas de remplacer ou de substituer des pièces car cela pourrait nuire à la cote de sécurité intrinsèque et annulera la garantie du produit.
⚠ Avant l'utilisation quotidienne, vérifiez les points suivants:

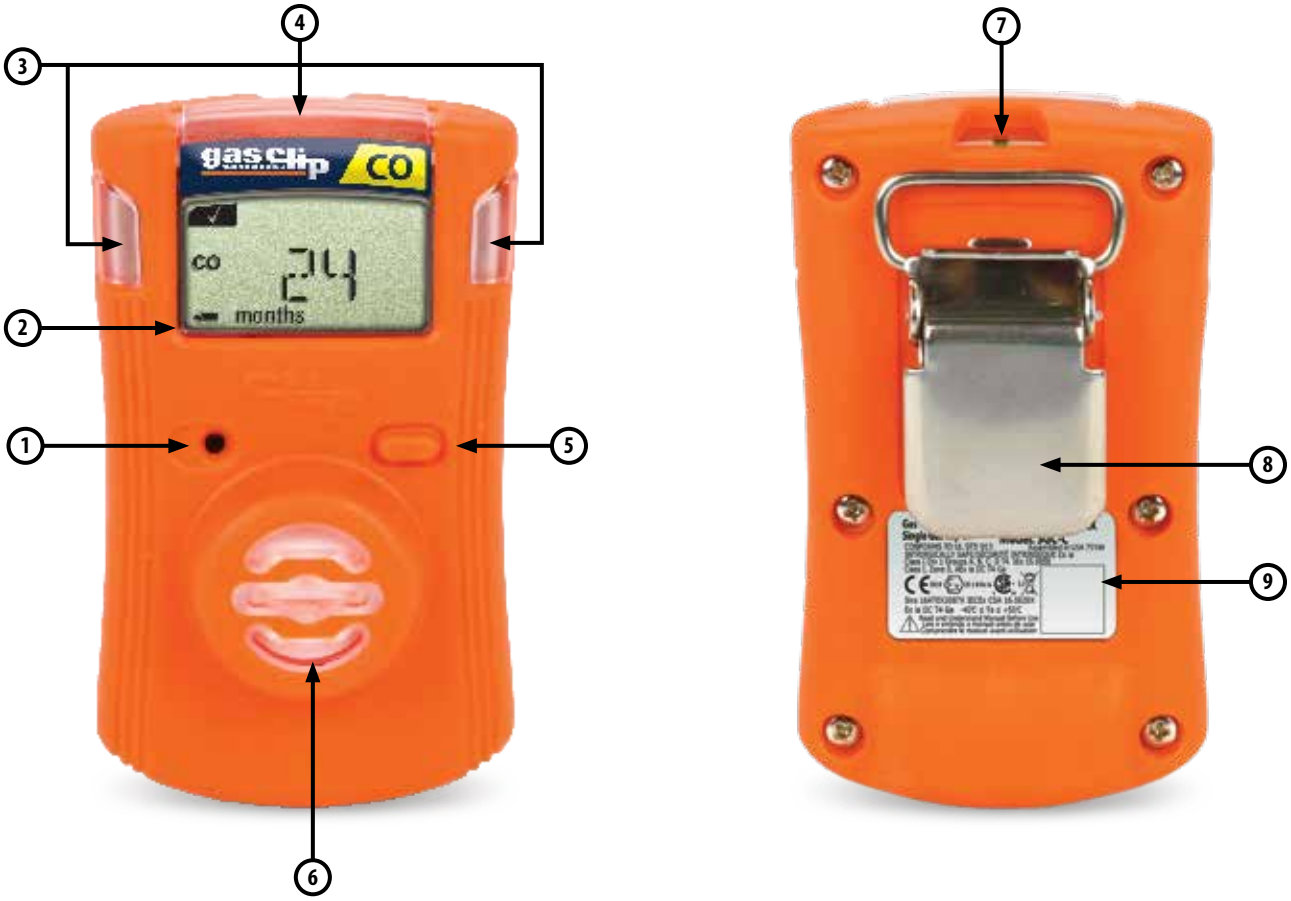
1) Les ports du capteur et de l'alarme sont dégagés de toute obstruction, c'est-à-dire des débris ou un blocage
2) Effectuez l'autotest pour garantir le bon fonctionnement des alarmes visuelles, sonores et vibrantes
3) Confirmez la réception d'une coche dans le coin supérieur gauche signalant un autotest réussi
4) Inspectez le détecteur pour tout signe physique de dommage

⚠ NE PAS utiliser les communications IR lorsqu'une atmosphère explosive peut être présente.
⚠ La batterie peut présenter un risque d'incendie ou de brûlure chimique si elle est maltraitée. Ne pas démonter, chauffer à plus de 100°C (212°F), ou incinérer. Contactez Gas Clip Technologies pour obtenir des instructions de remplacement. L'utilisation d'une autre batterie peut présenter un risque d'incendie ou d'explosion.
⚠ Conservez les piles neuves et usagées hors de portée des enfants.
⚠ NE PAS exposer le détecteur à des poisons de capteur tels que, mais sans s'y limiter: des nettoyants à base d'alcool et d'agrumes, des silicones, des composés de plomb (par exemple, plomb tétraéthyle), composés soufrés, phosphore, hydrocarbures halogénés et aérosols. L'exposition à des poisons peut altérer la précision et/ou le temps de réponse du détecteur.
⚠ Si un empoisonnement du capteur est suspecté, revérifier le détecteur (à la fois étalonné et test fonctionnel).
⚠ Étalonnez le détecteur SGC O_2 au moins tous les 30 jours. Assurez-vous de calibrer dans un environnement d'air propre. Voir la section sur le détecteur SGC O_2 pour des instructions sur l'étalonnage.
⚠ Les versions CO et H_2S du Single Gas Clip et du SGC Plus ne nécessitent pas d'étalonnage pendant toute la durée de vie du produit.
⚠ Le détecteur doit être testé avant chaque utilisation quotidienne avec une concentration de gaz connue pour confirmer sa capacité à réagir au gaz. Les concentrations de gaz cible recommandées pour les différentes versions de détecteurs sont les suivantes : H_2S : 25 ppm, CO : 200 ppm, O_2 : 18 %. Étalonnez le détecteur si les lectures ne sont pas dans les limites spécifiées.
⚠ Les tests fonctionnels peuvent être effectués manuellement ou via le SGC Dock. Si un test manuel doit être effectué, assurez-vous de tester dans un environnement d'air propre.
⚠ Toute rapide haut de gamme lecture suivi d'une lecture décroissante ou erratique peut indiquer une concentration de gaz au-delà de la limite supérieure de l'échelle ce qui peut être dangereux.
⚠ De fortes interférences électromagnétiques (EMI) peuvent entraîner des opérations incorrectes.
⚠ Si un détecteur échoue à l'auto-test ou au test fonctionnel, veuillez cesser de l'utiliser.
⚠ Le détecteur contient une pile au lithium qui doit être mise au rebut par un recycleur qualifié. Vérifiez les réglementations locales pour une élimination appropriée.
⚠ Ne remplacez pas les composants internes car cela pourrait interférer avec la sécurité intrinsèque de l'appareil.
⚠ N'essayez pas de remplacer la pile ou le capteur. Ce produit est conçu pour être jetable. Le changement de ces composants annulera la garantie.
⚠ Si vous soupçonnez un dysfonctionnement ou rencontrez des problèmes techniques, veuillez contacter GCT au 877-525-0808.

⚠ À LIRE AVANT L'UTILISATION

Les détecteurs Gas Clip Technologies (GCT) Single Gas Clip et SGC Plus sont des dispositifs de sécurité personnels conçus pour détecter la présence de gaz toxiques spécifiques tels que le monoxyde de carbone (CO), le sulfure d'hydrogène (H_2S) ou le manque d'oxygène (O_2). Avant l'utilisation, veuillez vous assurer que vous avez été correctement formé à l'utilisation de l'équipement et aux mesures appropriées à prendre en cas de condition d'alarme.

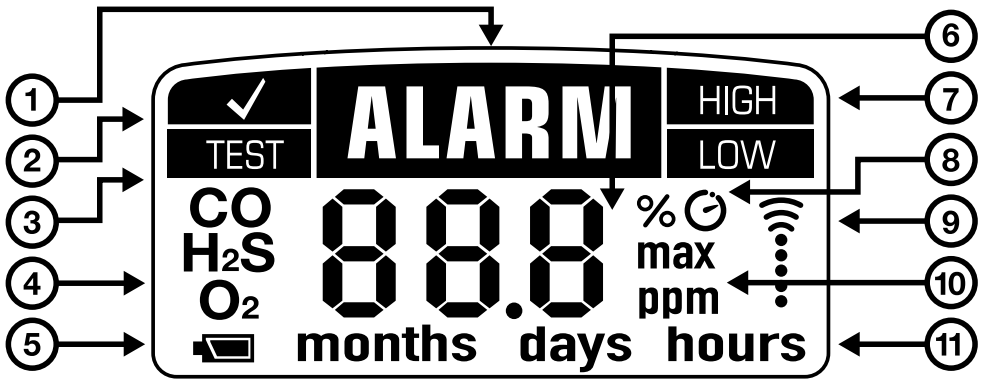
DETECTOR COMPONENTS



ENTRY	DESCRIPTION
1	Audible Alarm Port
2	Display
3	Alarm Bar LEDs
4	Maintenance LEDs
5	Power Button
6	Sensor
7	Infrared (IR) Communication Window
8	Alligator Clip with Safety Ring
9	Certification Label

DISPLAY COMPONENTS

Display Layout



ENTRY	DESCRIPTION
1	Alarm Condition
2	Self-Test Icon
3	Test Reminder Icon
4	Gas Type Identifiers
5	Battery Indicator (Used During Real-Time Gas reading)
6	Life Remaining or Real Time Gas Reading Data
7	High And Low Alarm Set Point Icon
8/11	Detector Life Remaining Icon
9	Infrared Data Transfer Icon
10	Last Maximum Exposure

Display Details

The detector utilizes a special high viewing angle LCD that is designed to enhance the screen visibility. In the absence of gas, it displays life remaining. In those cases where gas is present, the display will automatically shift to a display that shows gas concentration and a battery icon.

*Note the display mode can be changed in the GCT IR Link software with the "Sensor Reading" and "Life Remaining"user options.

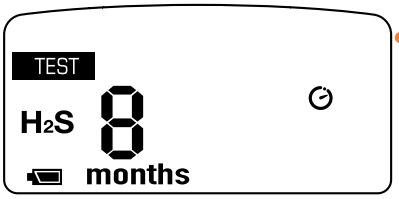
⚠ Warning: Users must familiarize themselves with the icons in both non-alarm and alarm states.
⚠ Warning: If the display is missing icons or cannot be clearly read, please contact GCT immediately.

BASIC OPERATION

Turning the Detector On
To activate the detector, press and hold down button for approximately 5 seconds. Upon activation, the detector will vibrate, flash, and sound the audible alarm. A successful activation will display the life remaining in months on the detector as 24 months.

Turning the Detector Off
This detector is not designed to be turned off. Once activated, it will run continuously for 24 months. SGC Plus may last longer if it's been put in hibernation mode.

Performing a Self-test
Prior to daily use, the detector will prompt the user to perform a self-test. This process is a simple and effective way to ensure safe operation of the detector. During the self-test the audio, visual, and vibrating alarms are activated and the sensor is tested. Below we outlined the most common screen configurations, however if the detector has been programmed via the GCT IR Link, or has been exposed to gas, additional screens may appear:



Screen 1:
When the "Test" Icon appears in the upper left hand corner, a self-test is required. Press the button on the front of the detector to perform the test.

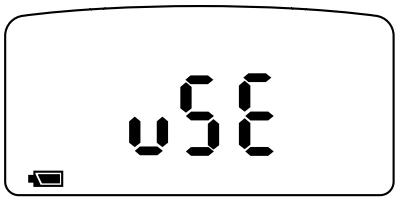
Screen 2:
After pressing the button, the full element LCD screen will appear. During the self-test ensure that the following occur: (1) the detector emits one audible beep and vibrates, (2) all LED's light up and (3) all LCD display elements appear.

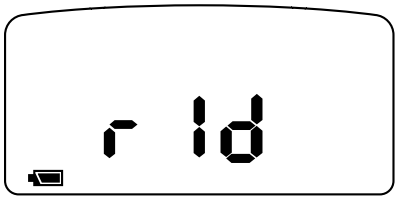
Screen 3:
After the full element LCD screen, the low alarm and high alarm set points will be displayed. Note: these alarm set points can be adjusted using the GCT IR Link or Single Gas Clip Dock configuration options.

Factory Standard Alarm Set Points:
H_2S: Low 10 ppm / High 15 ppm
CO: Low 35 ppm / High 200 ppm
O_2: Min 19.5% / Max 23.5%

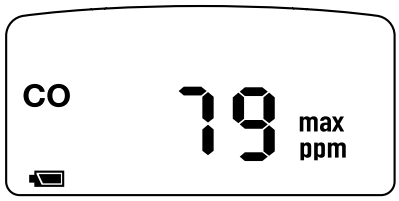
*Note these set points can be changed using the GCT IR Link. Please refer to the SGC IR Link documentation for further details. To display the detector alarm set points press the button on the front of the detector.

⚠ Use caution when changing alarm set points. Confirm these levels with your company safety officer.
⚠ DO NOT use IR communications when an explosive atmosphere may be present.

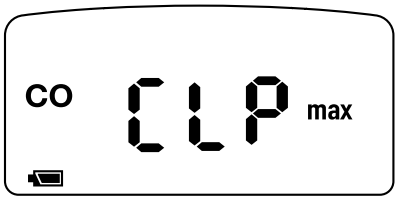




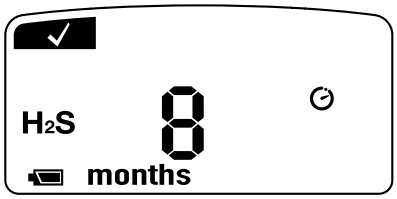
Screen 4: (If applicable): If programmed with a "User ID", after the alarm set points are displayed, a combination of numbers and or letters will scroll across the screen. This will be a max of 2 screens with a maximum character limit on the "User ID" of 6 characters. The "User ID" can be changed/modified via the GCT IR Link software.



Screen 5: (if applicable): If the detector has been exposed to gas exceeding the low alarm set point, a value will appear with "max" next to it. This represents the peak value (highest) that the detector has seen. After this screen, there will be another screen displaying a value with hours, days, or months. This represents the amount of time that has passed since the peak reading.



Screen 6: (if applicable): After the peak reading and time passed since screens, a screen will appear with CLP. If the user presses the button down while this is displayed, the peak value on the detector will be reset. Note: while the value will be cleared on the display, the value will be held in the detector's log. See the event log section for further details. This value can be cleared on the next screen.



Screen 7:
When a self-test is successful the detector will turn to the original screen and display a check mark in place of where the test icon was previously displayed and one short audible beep will sound. The detector will by default prompt another "Self-test" in 20 hours from when the button was pressed.

Note this value can be changed via the GCT IR Link software anywhere from 8 to 20 hours. See the GCT IR Link Quick Reference Guide for further detail.

ALARMS

When a particular gas has a Gas Reading (4) at, or above, its alarm thresholds, the Gas Identifier (5) icon will flash and the associated Alarm Condition (1) icon will display.
During a calibration or bump test, the Calibration/Test Mode (2) icon will display when it is time to apply gas.
The Battery Charge Level (3) is displayed in a 3 bar battery icon as well as a percentage. The percentage calculation is approximate and can be used to provide a rough estimation of the time remaining.

Alarm Types:

LOW ALARM
Audible alarm: One (1) slow beep every second
Visual alarm: One (1) slow flash every second
Vibrating alarm: One (1) slow vibration every second

HIGH ALARM and OVER LIMIT (OL) ALARM
Audible alarm: Two (2) fast beeps every second
Visual alarm: Two (2) fast flashes every second
Vibrating alarm: Two (2) fast vibrations every second

DETECTOR LIFE COUNTDOWN ALERT "EOL"
Once the detector has less than one (1) month of life remaining the screen will switch to days remaining. When there is less than one (1) day remaining the screen will switch to hours remaining. Once the detector has eight (8) hours remaining it will begin to beep, flash, and vibrate intermittently. To end the alert push the button down. Once the detector has reached the end of its operating life the display will show "EOL" (End of Life).

⚠ If the self-test fails, the detector emits five short beeps and flashes before displaying "Test". Repeat the self-test.
⚠ If the self-test fails three (3) consecutive times the detector will enter a Fail Safe mode. Please contact GCT for a replacement detector.
⚠ During normal operation, the battery is continuously monitored. If the battery is low for more than (3) hours the detector enters Fail Safe mode.
⚠ If the battery self-test fails (5) consecutive times the LCD will display "EO5". In case of an EO5 screen discontinue use and contact GCT for a replacement detector.
⚠ Along with the battery, the sensor is continuously monitored during normal operation. If a problem with the sensor is detected, the screen will display "EO6". In case of an EO6 screen, please discontinue use and contact GCT for a replacement detector.
⚠ If the detector is displaying "bUP", the detector is either due for a bump test because of a scheduled test or has failed a bump test. Please refer to "Bump Test Interval" for more detail.
⚠ If the detector is displaying "EOL" it has reached the end of its operating life. Please discontinue use.

DETECTOR MAINTENANCE

Bump Test Interval (bUP)
Using the GCT IR Link or GCT Manager, detectors can be programmed to alert the user if a bump test is due. This interval can be set anywhere from 1 to 365 days. **Note the unit default is to have no bump interval programmed.*

If a detector is due for a bump test, the Display will alternate between the months remaining and "bUP". In addition, the detector will emit alternating flashes (left and right) every 5 seconds. And the "test" icon will remain even after a button push.

This alert can be cleared by either placing the detector in a Clip Dock or, if the bump interval is set, by manually applying gas to the detector. To manually clear the alert, press the Power Button down once and wait for the GAS to show on the display while the TEST icon flashes. The detector will wait for 45 seconds for the target gas to be applied, or a button press to skip the bump test. If the SGC is bumped while showing GAS, then it will record as a bump test in the event log instead of as an exposure. If no gas is applied, it will return to the normal screen and will not record anything in the event log.

O_2 Detector Calibration
⚠ GCT recommends users of the O_2 Single Gas Clip to bump test the detector before using each day.

Single Gas Clip Oxygen (O_2) detector factory default will prompt the user to calibrate the detector every 30 days. The user will be prompted by the screen flashing CAL, please see calibration instruction below:

Calibration Instructions

⚠ Only perform O_2 calibration in normal air (20.9% Oxygen) that is free of hazardous gases.

1. Press and hold down the button for four (4) seconds.
2. The screen will display CAL and the O_2 icon will flash in the lower left hand side.
3. After a successful calibration, the detector will emit one (1) beep, vibration and LED flash.
4. After an unsuccessful calibration, the detector will beep, flash, and continue to display calibration. If after a few failed calibrations please contact GCT customer support at 877-525-0808.

Cleaning

The detector can be cleaned with a soft damp cloth. Do not use solvents, soaps or polishes. A neutral cleaner, like Mat & Table Top Cleaner (by ACL Staticide) may also be used.

The sensor screen may be cleaned with a soft brush under clean, warm water. Return the filter to the detector once it has fully dried.

Hibernation (SGC Plus Only)

When the SGC Plus is not used for extended period of time it can be hibernated to suspend the 24 month operation life countdown.

SGC Plus Hibernation with the GCT IR Link

1. Check that you have installed the GCT IR Link Software and the GCT IR Link USB connections are plugged in.
2. Click Read Device on the GCT IR Link Software.
3. Note when the detector is hibernated the event log will be cleared. It is highly recommended to save the event log by pressing the save event log before hibernating.
4. Click on the Hibernate Button, acknowledge the event log message.
5. Keep in front of the GCT IR Link until the "Hibernate OK" message is displayed at the bottom of the GCT IR Link Software.
6. Confirm the detector screen is blank.
7. If you encounter any problems please contact GCT customer support at 877-525-0808.

SGC Plus Hibernation with the Clip Dock

1. Check that the Clip Dock is turned on and USB memory is inserted.
2. The Clip Dock is capable of hibernating 4 detectors at one time: place the desired amount of detectors in the docking station.
3. Press and hold the bump test and calibration buttons down simultaneously for approximately 2 seconds.
4. A successful hibernation will result in a GREEN light on for the corresponding detector number.
5. Note the event log will be automatically stored on the Clip Dock USB memory.
6. Confirm the detector screen is blank.
7. If you encounter any problems please contact GCT customer support at 877-525-0808.

DETECTOR RECORDS (LOGS)

Event Log

By default the detector stores the last twenty-five (25) alarm events. The system stores events by first in first out, i.e. the 26th event will replace the first event and so on. This information can be downloaded using the GCT IR Link. For each alarm event the detector records the following:

- The detector serial number
- Bump Test (Yes or No)
- Life remaining on the detector
- Number of self-tests performed
- Number of events
- Alarm Condition (Low, High, or OL)
- Specific event date and time
- Peak gas concentration in ppm or %

How to Retrieve Data Logs Using the GCT IR Link

***You must have Microsoft Excel to open Data and/or Event Logs**
***Computer System Requirements: Available for Windows© based PCs (Vista, 7, 8.x, 10)**
***Browser requirements: Google Chrome, Firefox, Opera or Edge**

Set the detector in front of the GCT IR Link with the GCT IR Link Communication Window and the monitor's Communication Window lined up approximately 2-3 inches apart.

1. Open the GCT IR Link Software (downloaded for free from www.gascliptech.com under Resources tab).
2. Click on Download Logs icon at the top left corner.
3. Select Destination Folder (wherever you want to store the logs on your computer).
4. Select what kind of logs you want to download:
   a. Event Logs Only
   b. Events & Partial Data Log (last week of data)
   c. Events & New Data Logs Only (All data logs from last time you pulled the logs to current)
   d. Full Logs (approximately 2 months)
5. If a check mark is in the box above where you select what logs you want to download, the logs will automatically open in Microsoft Excel once it's downloaded.

ACCESSORIES AND REPLACEMENT PARTS

- **GCT IR Link:** (P/N: GCT-IR-LINK) - Infrared communications device and USB cable used for communications between detector and computer to easily make firmware updates, adjust detector settings and record data.
- **Alligator Clip:** (P/N: AL-CLIP) - Metal clip on the back of the detectors that can clip on to clothing or belts.
- **Replacement Filters:** (P/N: FILTER-10 or FILTER-50) - Replacement filters for Single Gas Clip and Single Gas Clip Plus - available in a 10 pack or 50 pack.
- **Calibration Cap:** (P/N: SGC-CALCAP) - Replacement calibration cap for the Single Gas Clip or the Single Gas Clip Plus.
- **Single Gas Clip Dock:** (P/N: SGC-DOCK) - portable, chargeable all-in-one docking station in a durable portable case for automated 4-detector simultaneous bump testing, calibrating, record keeping and programming - also available in a High Pressure and Ethernet version.
- **Single Gas Clip Dock Wall Mount:** (P/N: SGC-WMDOCK) - Same capabilities as an SGC Dock in a metal case that can be wall mounted or stand alone. - also available in a High Pressure and Ethernet version.
- **Available Single Gas Cylinders**:
  - Single Gas Oxygen (O_2) 58L P/N: SGC-02-58 - 18% O_2 58L
  - Single Gas Carbon Monoxide (CO) 58L P/N: SGC-CO-58
  - Single Gas Carbon Monoxide (CO) 116L P/N: SGC-CO-116
  - Single Gas Hydrogen Sulfide (H_2S) 58L P/N: SGC-H2S-58
  - Single Gas Hydrogen Sulfide (H_2S) 116L P/N: SGC-H2S-116L

See the GCT website, www.gascliptech.com, for further details or contact GCT for pricing and availability.

DETECTOR SPECIFICATIONS

Size	3.3 x 2 x1.1 in (85x50x28 mm)				
Weight	2.7 oz (76 g)				
Temperature	-40 to 122^{0}F (-40 to +50^{0}C) for CO and H_2S, -31 to +122^{0}F (-35 to +50^{0}C) for O_2				
Humidity	5% to 95% non-condensing relative humidity				
Ingress Protection	IP 67				
Alarms	Visual, vibrating, audible (minimum 95dB)				
LEDs	4 red alarm bar LEDs				
Display	Liquid Crystal Display (LCD)				
Battery Life	24 months of operation/2 minutes of alarm every day				
Event Log Storage	Last 25 events. Newer events replace older events				
Warranty	Full 2 years (SGC) or 3 years (SGC Plus)				
	Gas	**Range**	**Resolution**	**Accuracy***	**T90***
Gases	H_2S	0 - 100 ppm	0.1	< 2 ppm	< 30 s
	CO	0 - 300 ppm	1	< 5 ppm	< 30 s
	O_2	0 - 30% vol.	0.1	< 0.7% vol.	< 15 s
Sensor Type	Single plug-in electrochemical cell				
User Options	User ID, Low Alarm, High Alarm, Calibration Interval, Bump Interval, Self-Test Interval, Calibration Gas, Display sensor/life remaining, Bump Due LED				

*Sensor performance is dependent on many factors, including temperature, humidity, sensor age, filter cleanliness, gas delivery, and calibration accuracy. Typical performance will be better than the given limits under most circumstances.

Approvals

Conditions of Acceptability:
Under certain extreme circumstances, exposed plastic and unearthed metal parts of the enclosure may store an ignition-capable level of electrostatic charge. Therefore, the user/installer shall implement precautions to prevent the buildup of electrostatic charge, e.g. locate the equipment where a charge-generating mechanism is unliely to be present and clean with a damp cloth

CSA

Intrinsically Safe/Sécurité Intrinsèque
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
-40°C (H_2S) / -40°C (CO) / -35°C (O_2) ≤ Ta ≤ +50°C
CAN/CSA-C22.2 No. 60079-0:15
CAN/CSA-C22.2 No. 60079-11:14
CAN/CSA-C22.2 No. 0-M91 (R2001)
C22.2 No 142-M1987
UL 916 Fifth Edition
ANSI/UL 60079-0:13
ANSI/UL 60079-11:13

IECEx

IECEx CSA 16.0020X
Ex ia IIC T4 Ga
-40°C (H_2S) / -40°C (CO) / -35°C (O_2) ≤ Ta ≤ +50°C
IEC 60079-0:2011 Edition: 6.0
IEC 60079-11:2011

ATEX

II 1G Ex ia
2813

Sira 16ATEX2087X
Ex ia IIC T4 Ga
-40°C (H_2S) / -40°C (CO) / -35°C (O_2) ≤ Ta ≤ +50°C
EN 60079-0:2012/A11:2013
EN 60079-11:2012

Please note: the SCG Plus CO has been discontinued.

GAS CLIP TECHNOLOGIES WARRANTY POLICY

Section 1. Introduction

All Gas Clip Technologies (GCT) products have been tested to the highest quality standards by GCT. This Limited Warranty offered by GCT covers defects in material or workmanship in GCT products. This warranty extends to the original purchaser only and is non-transferable. Only consumers purchasing GCT products from authorized GCT distributors or from GCT directly may obtain coverage under our limited warranties.

Section 2. Extent of Coverage

GCT warrants all products against defects in material or workmanship as follows:

GCT will replace at no charge for parts only or, at its option, replace any product or part of the product that proves defective because of improper workmanship and/or material, under normal use, service and maintenance. If GCT is unable to provide a replacement and repair is not practical or cannot be made in a timely fashion, GCT may, but is not obligated to, elect to refund the purchase price in exchange for the return of the product.

Section 3. Length of Coverage

The standard GCT Product Warranty length of coverage shall be two (2) years, beginning upon the date of activation of the product by the original end user or beginning upon the "Activate Before Date" printed on the product box label, whichever occurs first. The standard GCT Product Warranty length of coverage for products sold without an "Activate Before Date" shall be two (2) years, beginning upon the original end user's documented date of purchase or one (1) year from the product's original Date of Shipment, whichever occurs first.

The Multi Gas Clip Simple PLUS (MGC-S-PLUS) shall have a GCT Product Warranty length of coverage of three (3) years, beginning upon the date of activation of the product by the original end user or beginning upon the "Activate Before Date" printed on the product box label, whichever occurs first.

The GCT Product Warranty length of coverage for Single Gas Clip Plus monitors (SGC-P-H and SGC-P-C) shall be three (3) years of elapsed time, or two (2) years of operational use by the original end user, whichever occurs first. The GCT Product Warranty period for Single Gas Clip Plus monitors shall begin upon the date of activation by the original end user or upon the "Activate Before Date" printed on the product box label, whichever occurs first.

Section 4. Exceptions to Coverage

GCT's warranties do not cover any problem that is caused by:

- Conditions, malfunctions or damage not resulting from defects in material or workmanship.
- Conditions, malfunctions or damage resulting from normal wear and tear, improper maintenance, misuse, abuse, negligence, accident or alteration.
- Accessories, connected materials and products, or related products not manufactured by GCT.
- Our limited warranties are void if a product is returned with removed, damaged or tampered labels or any alterations (including removal of any component or external cover).

Section 5. Claims

GCT will not provide any warranty coverage unless claims are made in compliance with all terms of the controlling warranty statement included with your product and proper return procedures are followed. To request warranty service, please provide:

- The serial number of the defective product
- A description of the problem
- A valid shipping address
- Full Data Logs

To start the process of filing a claim for a product under warranty, please e-mail RMA@gascliptech.com with the aforementioned information. Please note that the defective product must be returned to GCT address which is 305 W. FM 1382, Suite 540, Cedar Hill, TX 75104, with provided prepaid shipping label.

GCT will retain possession of disposable detectors that are returned and found to be beyond their warranty period. This includes, but is not limited to, detectors that display EOL (End Of Life) on the screen.

REPAIR OR REPLACEMENT (OR, IN LIMITED CIRCUMSTANCES, REFUND OF THE PURCHASE PRICE) AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE PURCHASER. GCT NEITHER ASSUMES NOR AUTHORIZES ANY PERSON TO CREATE FOR IT ANY OTHER OBLIGATION OR LIABILITY IN CONNECTION WITH THIS PRODUCT.

GCT SHALL NOT BE LIABLE TO PURCHASER OR ANY OTHER PERSON FOR ANY INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES, ARISING OUT OF BREACH OF THIS WARRANTY OR ANY IMPLIED WARRANTY (INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY).

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