



LAUPER INSTRUMENTS QuickStart Gold G2 Combustible Gas Leak Detectors User Guide

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LAUPER INSTRUMENTS QuickStart Gold G2 Combustible Gas Leak Detectors



Product Information

The product is a gas detection instrument designed to detect and measure the concentration of combustible gases in the air. The instrument is equipped with a LEL sensor and filter cap located at the tip of the goose neck. The product is manufactured by Innovative Detection Solutions in the USA with globally sourced components. The instrument is intrinsically safe and should only be serviced by factory authorized technicians with approved replacement parts to maintain its intrinsic safety. The product comes with a user manual that provides detailed instructions on how to use the instrument, including how to install batteries, warm up the instrument, and detect gases. The user manual also provides important warnings to prevent ignition of flammable or combustible atmospheres.

Product Usage Instructions

1. Remove the retaining screw from the handle and install the batteries, observing polarity.
2. Slide the handle back onto the top of the instrument and secure it in place with the retaining screw.
3. Allow the instrument to warm up in clean air for 40-180 seconds until it auto zeros and enters the working display.
4. If FAIL is displayed for any of the sensor readings, make sure the instrument is in clean air and press and hold the C button until AUTO ZERO is displayed. If this process does not clear the fail on the display, this could indicate a problem with the instrument or sensor.
5. If equipped with a 100%v/v (TC) sensor, the combustible gas scale will automatically range from %LEL to %Volume.
6. Extend the goose neck and place your finger over the inlet for ~5 seconds. If FLOW BLOCKED does not appear on the display, change the cap and O rings.
7. The instrument is now ready to use. Enter the area and detect gases.
8. If the source of an odor needs to be located, press and release the B button. If needed, use the C button to find the TICK menu function. Press the B button to hear a tick rate. As the instrument is moved closer to a

combustible source, the tick rate will increase. Press the B button again to reset the tick for a slower tick. Press the A button to deactivate the ticking sound.

9. When replacing the gooseneck into the clip on the right side, wrap the gooseneck in a wide circular manner counter-clockwise around the back of the instrument to prevent damage over the life of the product.

Warnings

- To prevent ignition of flammable or combustible atmospheres, disconnect power before servicing.
- To reduce the risk of ignition of a flammable atmosphere, batteries must only be changed in an area known to be nonflammable.
- Do not mix batteries of different age or type.
- Not for use in atmospheres of oxygen greater than 21%.
- ONLY zero instrument in a gas free environment.

QUICK-START INSTRUCTIONS

1. Install the batteries by removing the retaining screw (torx) from the handle. Push down the locking tab and slide the handle away from the top of the instrument. When replacing handle be sure the tab is securely in place and replace the retaining screw.
2. IMPORTANT: CAREFULLY OBSERVE POLARITY WHEN CHANGING BATTERIES. Instrument will not function with improperly installed batteries.
3. Locate button "A" – push & hold until the unit powers up, then release the power button.
4. Allow unit to go through the warm up sequence in clean air. At the end of warm up, the unit will auto zero and enter the working display. This requires from 40 up to 180 seconds.
5. If FAIL is displayed for any of the sensor readings, make sure the instrument is in clean air; push and hold the "C" button until AUTO ZERO is displayed. If this process does not clear the fail on the display, this could indicate a problem with the instrument or sensor.
6. Look at the display – Up to four (4) gases are shown: O₂, LEL, H₂S (or HCN) and CO.
7. The combustible gas scale will automatically range from %LEL to %Volume if so equipped with the 100%v/v (TC) sensor.
8. Extend the goose neck (the LEL sensor and filter cap is at the tip)
9. Place your finger over the inlet and wait ~5 seconds for "FLOW BLOCKED" to appear on the display. Change cap and "O" rings if it does not show "FLOW BLOCKED".
10. You are now ready to use the instrument. You can now enter the area and detect gases.
11. Once the environment is determined to be safe to work in, if the source of an odor needs to be located, press and release the "B" button. If needed use the "C" button to find "TICK" menu function. Press the "B" to hear a tick rate. Once an investigation is begun, as the instrument is moved closer to a combustible source, the tick rate will increase. Press the "B" button again to reset the tick to for a slower tick. "A" button deactivate the ticking sound.
12. Any "NSC" readings indicate a combustible gas sensed other than the one the instrument is calibrated to measure. Any "NSR" readings indicate a non-combustible gas sensed the instrument is not calibrated to measure. (found on instruments with 100%v/v (TC) scale only)
13. Press and hold the "C" button to zero the instrument. (only in a gas free area).
14. When your investigation is complete, push button "A" and hold for 5 seconds until the instrument displays

“POWER OFF” then release to shut off.

Standard Alarms:

- Low: 5% LEL
- Hazard 1: 10% LEL
- Hazard 2: 25% LEL
- Hazard 3: 50% LEL
- Oxygen: Below 19.5%, Above 23.5%
- CO: 35 PPM
- H2S: 10 PPM



HINT: As you approach the source of the leak, continue pressing the “B” button to slow down the tick if it is rapidly increasing. If the tick is no longer heard press the “B” button to reset. Pressing the “A” button deactivates the tick.

IMPORTANT: When replacing the gooseneck into the clip on the right side, wrap the gooseneck in a wide circular manner counter-clockwise around the back of the instrument. Bending in the opposite direction may cause damage over the life of the product.

WARNINGS:

- To prevent ignition of flammable or combustible atmospheres, disconnect power before servicing.
- To reduce the risk of ignition of a flammable atmosphere, batteries must only be changed in an area known to be nonflammable.
- Do not mix batteries of different age or type. Not for use in atmospheres of oxygen greater than 21%.
- ONLY zero instrument in a gas free environment.
- To maintain intrinsic safety, service must be performed by factory authorized technicians with approved replacement parts only.

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This is not a substitute for the instruction manual. It is for reference only.
Read and understand the instruction manual before use.

Documents / Resources

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|  | <p>LAUPER INSTRUMENTS QuickStart Gold G2 Combustible Gas Leak Detectors [pdf] User Guide</p> <p>QuickStart Gold G2 Combustible Gas Leak Detectors, QuickStart Gold G2, Combustible Gas Leak Detectors, Gas Leak Detectors, Leak Detectors, Detectors</p> |
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References

- [suche.ch](http://www.suche.ch)
- [Home | Lauper Instruments](#)