

# NSI 6000 LOW-LEVEL CARBON MONOXIDE MONITOR



Monitor features Smart Calibration™ technology that automatically maintains accuracy over time.

# Contents

Page

[Your New NSI 6000 Low-Level Carbon Monoxide Monitor ..... 2](#)

[Carbon Monoxide And How It Can Affect You And Your Family ..... 2](#)

[Installation Of Your New Low-Level CO Monitor ..... 4](#)

[Operating Features ..... 6](#)

[The NSI 6000 Mobile Application ..... 9](#)

[Pairing, Syncing, And Claiming Your Monitor ..... 11](#)

[Application Updates And Account Management ..... 16](#)

[Maintaining/Testing Your Low-Level CO Monitor ..... 18](#)

[What To Do In The Event Of An Alert Or Alarm ..... 20](#)

[Technical Specifications ..... 21](#)

[Limited Warranty Information ..... 22](#)

# Your New National Safety Instruments NSI 6000 Low-Level Carbon Monoxide Monitor

Congratulations on choosing the most advanced low-level carbon monoxide monitor available on the market today.

*This unit features:*

- An advanced electrochemical sensor designed to accurately measure low levels of carbon monoxide (CO) providing an early warning of toxic CO levels in your home
- Detects carbon monoxide continuously
- Resistant to false alarms caused by normal household contaminants
- **Smart Calibration technology that automatically maintains accuracy over time**
- Sounds a loud 85 dB alarm to alert you in case of an emergency
- Digital readout of CO level in parts per million (ppm)
- Always-On technology: The word, “Monitoring” shows on the display when operating
- Three alert/alarm levels: Low-Level Alert, Mid-Level Alarm, Crisis-Level Alarm
- Remembers peak CO level until battery is removed
- Test/Reset button clears display to 0 ppm
- Icons to identify various status conditions (reset button clears)
- Bluetooth connectivity with connection to cloud-based system for reporting, saving history, and monitoring/diagnostics by your installing professional
- Simple to mount, portable, ideal for traveling
- 5-year limited warranty (batteries excluded)

Please read this owner’s manual for your new low-level carbon monoxide monitor carefully. Used properly, this monitor may not only save lives, but it can help protect against chronic low-level CO poisoning.

## Carbon Monoxide And How It Can Affect You And Your Family

Carbon monoxide kills thousands of people each year and injures many more. Like oxygen, CO enters the body through the lungs during the normal breathing process. It competes with oxygen by replacing it in the red blood cells, thereby reducing the flow of oxygen to the heart, brain and other vital organs. In high concentrations, CO can kill in minutes.

Many cases of reported CARBON MONOXIDE POISONING indicate that while victims are aware they are not feeling well, they become disoriented and unable to save themselves by either exiting the building or calling for assistance.

### Common Sources of CO:

- Oil and gas furnaces, boilers, water heaters
- Barbecues
- Gas ovens
- Portable generators
- Gas or kerosene heaters
- Cigarette smoke
- Wood stoves
- Wood or gas fireplaces
- Electric ovens in self-cleaning mode
- Idling automobiles
- Gasoline powered tools

**DO NOT:**

- Burn charcoal inside your home, camper, tent, cabin, or outside an open window
- Install, convert, or service fuel-burning appliances without proper knowledge, skill, and expertise
- Use a gas range, oven, or clothes dryer for heating
- Operate unvented gas burning appliances using kerosene or natural gas in closed rooms
- Operate gasoline-powered engines or generators indoors or in confined areas
- Ignore a safety device when it shuts an appliance off
- Use as a portable CO detector to test for spillage of CO from fuel-burning appliances or chimneys.

**EDUCATE YOURSELF AND YOUR FAMILY ON THE SOURCES AND SYMPTOMS OF CO POISONING AND HOW TO USE YOUR LOW-LEVEL CO MONITOR:**

- Buy appliances accepted by a recognized testing laboratory
- Install appliances according to the manufacturers' instructions & precautions
- Have appliance installations done by professionals
- Have your appliances checked regularly by a certified technician
- Clean chimneys and flues yearly
- Make regular visual inspections of all fuel-burning appliances
- Do not barbecue indoors, or in an attached garage
- Do not run generators indoors, or near windows or doors.
- Open windows when a fireplace or wood burning stove is in use
- **Be aware of CO poisoning symptoms**

**Symptoms of CO poisoning**

The following symptoms may be related to CO poisoning, and should be discussed with all members of the household:

- **Low-Level Exposure** (*less than 35 ppm*): of carbon monoxide poisoning can be confused with flu-like symptoms, food poisoning or other illnesses. Continuous exposure at these levels can cause significant long-term health risks if left untreated.
- **Mid-Level Exposure** (*more than 35 ppm; less than 70ppm*): Severe throbbing headache, drowsiness, confusion, fast heart rate.
- **Crisis-Level Exposure** (*more than 70ppm*): Unconsciousness, convulsions, cardio respiratory failure, death.

Dangers of CO at the following levels:

**9ppm** – Maximum allowable CO in living space for 8 hours (ASHRAE)

**9ppm** – Maximum allowable outdoors for 8 hours (EPA)

**15-30ppm** – **First level reported to cause harmful effects (World Health Organization)**

**30ppm** – **Earliest onset of exercise-induced angina (World Health Organization)**

**50 ppm** – The maximum allowable concentration for continuous exposure for healthy adults in any 8-hour period, as recommended by the Occupational Safety and Health Administration (OSHA) in a work environment

Dangers of CO at the following levels - continued:

**70 ppm** – First level U.L. approved alarms must go off after 2-4 hours

**200 ppm** – Slight headache, fatigue, dizziness, nausea after 2-3 hours

**400 ppm** – Frontal headaches within 1-2 hours, life threatening after 3 hours

**800 ppm** – Dizziness, nausea, and convulsions within 45 minutes. Unconsciousness within 2 hours.  
Death within 2-3 hours

**These symptoms are typical for healthy adults.** The critically or chronically ill, pregnant women, infants, and others with respiratory difficulties can be impacted earlier and experience more adverse effects.

## Installation Of Your New Low-Level CO Monitor

### Where to Install Your NSI 6000 Low-Level CO Monitor

**WARNING:** This low-level CO monitor will only indicate the presence of carbon monoxide gas at the sensor. Carbon monoxide gas could be present in other areas.

#### **In which room should your NSI 6000 low-level CO monitor be installed?**

Ideally, you should have a low-level CO monitor in or near every room that contains a fuel-burning appliance. However, if you have more than one appliance, but only one low-level CO monitor, you should take the following into consideration when deciding where best to locate the low-level CO monitor:

#### **Always have one alarm in or near the bedroom you sleep in**

- If there is a combustion appliance in the room where you sleep, you should place the low-level CO monitor in that room.
- If there is a combustion appliance in a room that you use a lot, e.g. a sitting room, you should place one in that room.
- If you live in a studio, keep the low-level CO monitor away from the cooking appliances, and closer to the place where you sleep.
- If the appliance is in a room not normally used (e.g. a boiler room), place the low-level CO monitor just outside the room so that you will be able to hear the alarm more easily.

#### **Where in the room should I place the low-level CO monitor?**

The recommended position for the low-level CO monitor should be at least (5 feet) above floor level or eye level. The low-level CO monitor should be at least 5 feet from any appliance.

**CAUTION: When wall mounting, place out of the reach of children.**

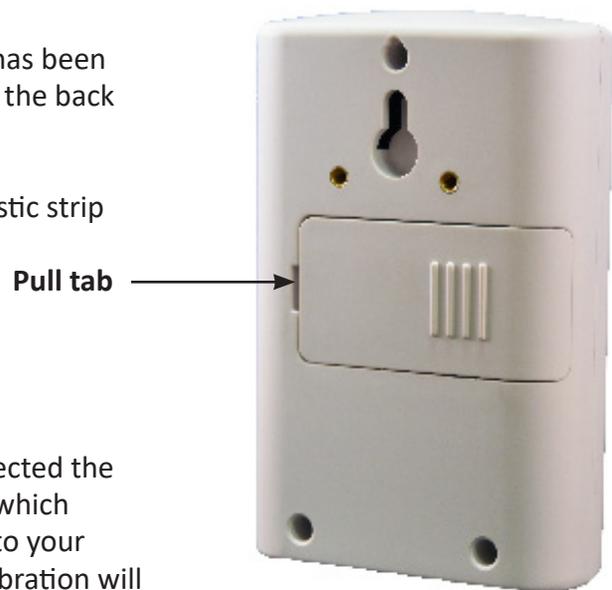
**Do not put the low-level CO monitor:**

- Outside the building
- In or below a cupboard
- In a damp or humid area
- Directly above a sink or cooking appliance
- Next to a door or window or anywhere that it would be affected by drafts
- Where it would be obstructed by curtains or furniture
- In an area where the temperature could drop below 25°F or rise above 105°F
- Where dirt or dust could block the sensor and stop it working
- Where it could be easily knocked over or damaged, or where it could be accidentally turned off.

**How to Activate and Install Your Low-Level CO Monitor**

Your monitor has been factory-tested and the battery has been disconnected with a plastic strip which protrudes from the back of the unit between the case and battery cover.

To energize your monitor for the first time, pull the plastic strip to allow the battery to power the monitor.



**Calibration**



Once the battery is connected the monitor will display CAL which indicates it is calibrating to your indoor environment. Calibration will last approximately 5 minutes. During

this time, do not move the monitor or place it near a source of CO. After calibration, the monitor will go directly to Monitoring mode.

**Mounting Instructions**

Your low-level CO monitor can be installed on a wall or a tabletop. For best results, it should be placed on an inside wall and at eye level.

**To Mount on a Wall:** Drill a 5mm (3/16”) hole into the wall. Insert the plastic screw anchor into the mounting hole so it is flush with the wall. Drive the screw into the anchor, leaving the screw head protruding at least ¼” from the anchor. Hang the monitor from the screw.

**For Tabletop Use:** place on the table vertically.

# Operating Features

Your low-level CO monitor offers many features that set it apart from other products on the market.

## Test/Reset Button Feature

This button will:

- test your horn and battery
- silence the loud 85dB horn during an alarm (only at levels below 70 ppm). See below
- when held down, the readout will display the peak level of CO recorded over the last 4 weeks
- reset the low-level CO monitor icons
- activate the monitor's Bluetooth transmitter receiver so it can be registered and activated through your cell phone
- allow you to test the sensor by blowing smoke into the low-level CO monitor.

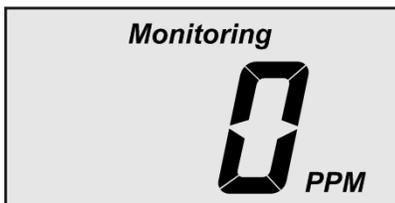
## Dual Color LED

This LED will:

- flash green once every 60 seconds during normal operation
- flash red every 60 seconds during low-level, mid-level, and high-level alarm conditions.

## Digital Display and Action Prompts

### Digital Display



NSI's unique digital readout displays the amount of CO in the area of the sensor, expressed in parts per million (ppm). Your low-level CO monitor is designed to display levels from 5 ppm to 999 ppm. A level below 5 ppm will display 0 PPM and the word, "Monitoring."

### Low-Level Alert



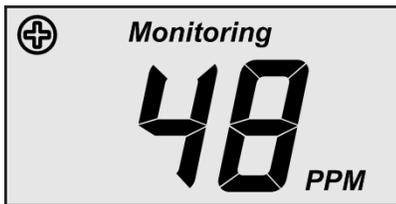
Low-level Icon

This icon will appear and a loud, 85 dB alarm will sound a double beep every eight seconds when a **low-level of CO (15 ppm – 34 ppm)** has been continuously detected for 5 minutes. To silence the low-level CO monitor, press the Test/Reset button. If the CO level remains in this range for the next 5 minutes, the icon will reappear, and the horn will sound again.

If the low-level icon is visible, but the horn is not sounding, the low-level CO monitor has, in your absence, registered at least 15 ppm of CO for 5 minutes. The CO level has since returned to levels below 15 ppm, and the low-level CO monitor has stopped sounding. The icon remains on to alert you that the CO low-level CO monitor had sounded.

Continued low-level alarms are an indication that the potential of a high-level alarm exists. You should treat this alarm very seriously. *Prolonged low levels of CO are believed to cause brain damage and heart disease, particularly in children, the elderly, and pregnant women. Call your NCI (National Comfort Institute) CO and combustion-certified professional and have the problem investigated and rectified immediately.*

### Mid-Level Alarm



Mid-level Icon

If a **mid-range level of CO, (between 35 ppm - 69 ppm)** has been detected for 5 minutes this icon will appear and a loud, 85 dB alarm will sound four beeps every four seconds. Press the Test/Reset button to turn the mid-level icon off and silence the alarm for 5 minutes. If the CO level remains in this range during this 5 minutes, the alarm will again sound, and the icon will reappear.

Continued mid-level alarms are an indication that an unhealthy amount of CO is present. Open the doors and windows to ventilate. Turn off appliances where possible. We highly recommend that you exit the property leaving the doors and windows open. Phone your NCI-certified Professional on their emergency number; keep the number in a prominent place.

### Crisis-Level Alarm



High Level Icon

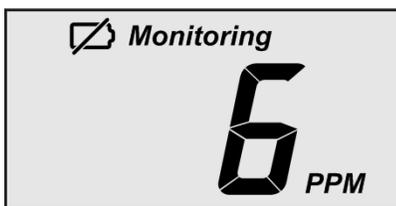
If a **crisis level of CO, (70 ppm and above)** has been detected (there is no delay, the alarm sounds immediately when a level of 70 ppm or higher is detected), this icon will appear and a loud, 85 dB alarm will sound eight beeps every four seconds. This alarm cannot be silenced without fresh air exposure and levels below 70ppm.

Evacuate the building immediately. Do not take time to open windows or turn off equipment. Phone your emergency response call from next door or your cell phone. Phone your NCI-certified Professional on their emergency number.

Get medical help (Oxygen Therapy) immediately for anyone suffering from any symptoms or illnesses that can be attributed to carbon monoxide exposure (Do not drive to the hospital yourself). Do not use any combustion appliance until the source of the problem is identified and corrected.

If the high-level icon is visible but the horn is not sounding, the CO monitor has sensed a high level of CO in your absence. Immediately vacate the premises and seek professional help. Treat this as a serious warning. *Call an NCI (National Comfort Institute) CO and combustion certified professional and have the problem investigated and rectified immediately.*

*Note: If the PPM reading exceeds 70 at any point, the alarm cannot be silenced until it senses fresh air for a certain period of time.*



Low Battery Icon

When your battery needs replacing, the Low Battery Icon will appear, the unit will chirp and the LED will flash red each minute for a minimum of two weeks before battery failure days. Replace the battery immediately! When there is no battery in place, the battery door will not close on the back of the unit to remind you to replace the battery.



"Err" – Unit Malfunction

If the readout displays "Err", the unit has detected an error and will chirp, and the LED will flash red each minute indicating that your low-level CO monitor has failed. **For service or replacement, contact the NCI certified professional who installed the NSI 6000 in your home.**

## Testing the Horn and Battery

Test the unit by pressing the Test/Reset button briefly to confirm that the low-level CO monitor is operating properly. The low-level CO monitor should sound as soon as the button is pressed, indicating that the horn is working, and the battery is providing power to the unit. Release the test/reset button to silence the horn. The horn and battery should be tested on a weekly basis.

## Peak Level Reading Feature

The peak level reading is the highest level of CO recorded by the unit since the battery was last disconnected. To display the peak level reading, press and hold the test/reset button down with your thumb or finger. The horn will sound, and the low-level CO monitor will display the peak level reading stored in the memory until you release the button or for a maximum of 4 seconds. This feature is helpful to a technician servicing your home or possibly for yourself when returning home after a period of time and discovering the high- or low-level icon displayed on the digital display.

Replacing the battery will cause the peak level reading to reset to 0. However, it is not recommended to pull the battery to stop your monitor from sounding an alarm.

## The NSI 6000 Mobile Application

The NSI 6000 comes with a Bluetooth feature and cloud connectivity for monitoring and storing your monitor's readings, events, and more.

This special feature allows you to download valuable information from your monitor and review it on your iPhone, tablet, or Android device.

Your Bluetooth-equipped Android or iOS mobile device can connect to and communicate with your NSI 6000 monitor via the NSI CO Monitor App. Once connected, it will display any measurable levels of CO the monitor has recorded directly on your mobile device.

One of the key benefits of this connectivity is that your certified professional can access historical information from the cloud to help diagnose any CO-related issues detected by the monitor that you may be experiencing.

When you connect to the monitor's Bluetooth, it also automatically registers when the monitor was first activated, and provides National Safety Instruments with important warranty and operating information.

**Note: While it is highly recommended, it is not necessary to activate your Bluetooth connection or Smartphone application to use your monitor as a standalone monitoring device in your home. All of the monitor's internal functions, alerts, alarms, memory, etc., will fully operate without the Bluetooth feature.**

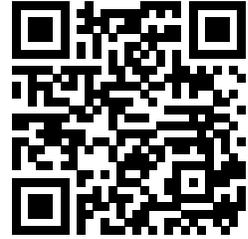
## Getting Started

Bluetooth connectivity allows for a detailed history of alarm events and error conditions. It allows the monitor to talk to your phone and store important information including event history on NSI's secure cloud server.

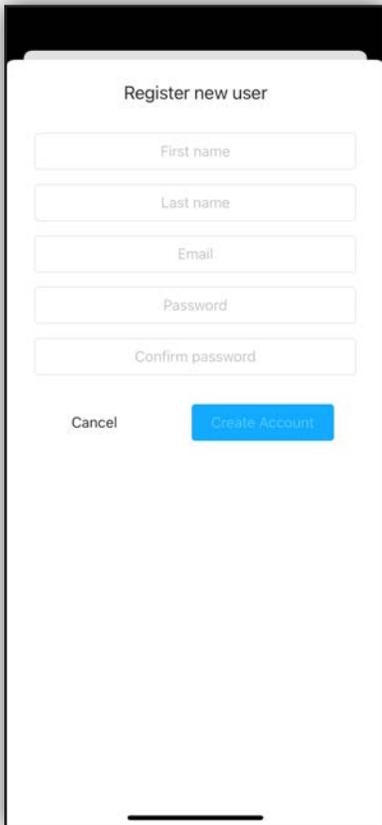
Your monitor should have already been activated by your installing contractor. If you are not sure if it has been activated, please contact your installing contractor to activate it before you take the next steps.

**STEP 1: Download the NSI CO Monitor App from the App Store or Google Play**

Your NSI 6000 CO Monitor works with both iOS and Android smart devices. To download the Application, scan the QR code to the right or search for **NSI CO Monitor** on your App Store or Google Play with your smart device, and follow the specific instructions.

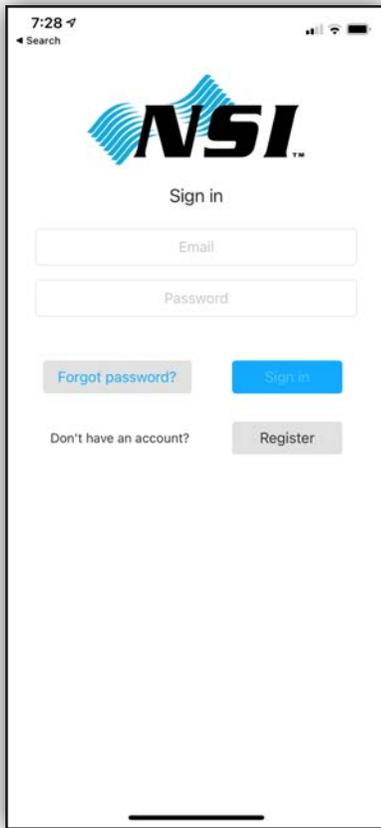


**ANDROID DEVICES ONLY:**  
Once you download the App and launch it for the first time you will be asked to confirm that you will allow the CO Monitor App permission to access your location. This is needed for Bluetooth connectivity.



Once you download the application and launch it, you will see your registration screen.

Click the **Register** button to register your new account, enter your information, and click the **Create Account** button.



## STEP 2: Sign in

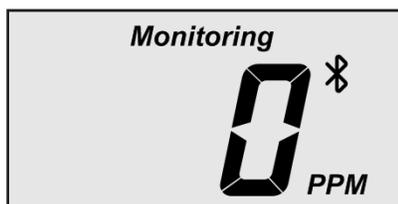
Once you have created your account, sign in with the email address and password you entered when you registered.

When your account has been created, you are ready to claim and sync your monitor(s) to your Account.

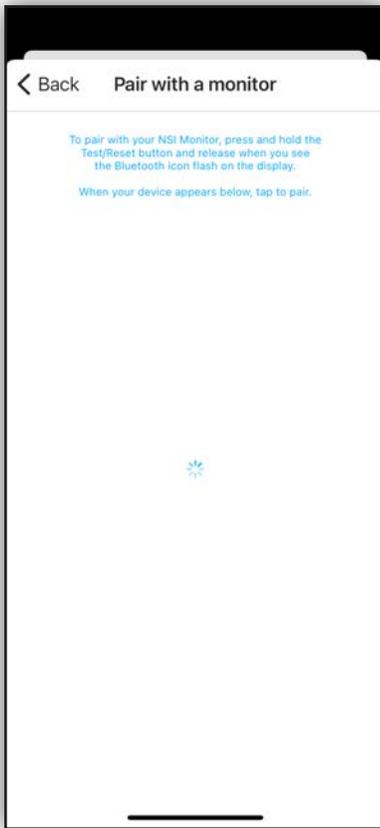
## Pairing, Syncing, And Claiming Your Monitor

**STEP 3: Pair and sync your NSI 6000 with your smart device (see Step 4 if claiming a new monitor for the first time). To pair properly, be sure to follow this exact sequence:**

- Make sure your mobile device has Bluetooth turned ON and is CONNECTED to the internet (either via Cellular Data or WiFi).
- Keep your NSI 6000 within a few feet of your mobile device and make sure it has been powered on for at least 5 minutes after installing the battery.
- Press the button on the monitor and hold until the word "Peak" stops flashing 5 seconds, and the Bluetooth Icon starts to flash, then release the button. You will see the Bluetooth Icon below. The Bluetooth radio is now activated and looking for a neighboring app request from a smart phone or tablet.



Bluetooth Icon



- Open your NSI 6000 app on your mobile device and tap “Pair with a monitor”

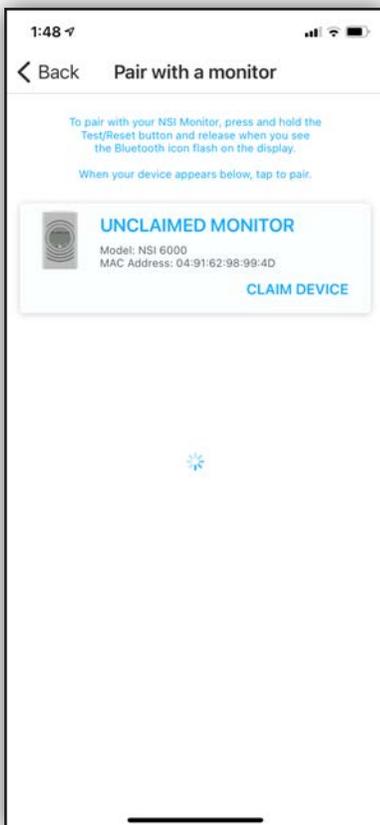
**iOS (iPhone)/iPad) DEVICES ONLY:**  
When you pair with a monitor for the first time you will be asked to confirm that you will allow the CO Monitor App permission to access your location. This is needed for Bluetooth connectivity.

Upon successful connection, the Bluetooth Icon on your monitor will stop flashing and remain solid until the session is terminated. Pressing the button on the monitor at any time terminates connectivity.

Once the searching indicator has disappeared, tap “Find Devices”

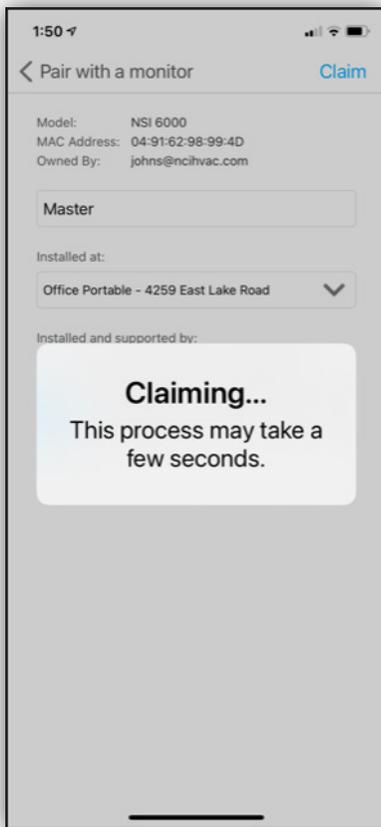
If you see “ACTIVATION REQUIRED”, call the contractor you purchased the monitor from. They need to activate it from their Contractor App.

If you see UNCLAIMED MONITOR - “CLAIM DEVICE,” go to step 4 below.



#### **STEP 4: Claiming your Monitor**

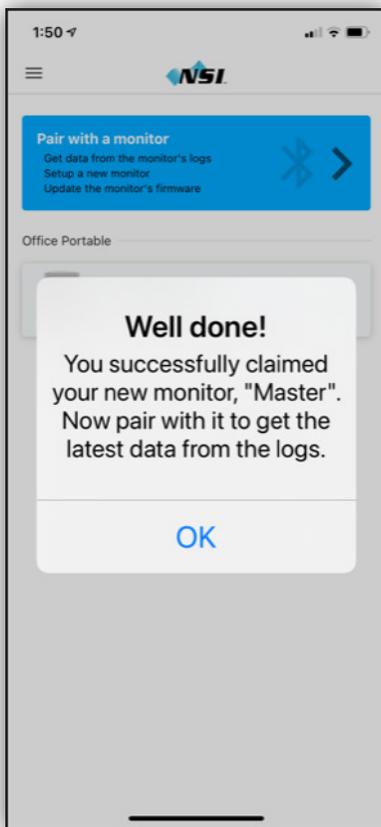
When connecting for the first time, the application will ask you if you would like to claim your monitor. By claiming it you will allow it to interface with your phone and NSI’s Cloud Service to upload and store your monitor’s information.



If the monitor has been activated and needs to be claimed, scroll on the Monitor Card and tap “CLAIM DEVICE”

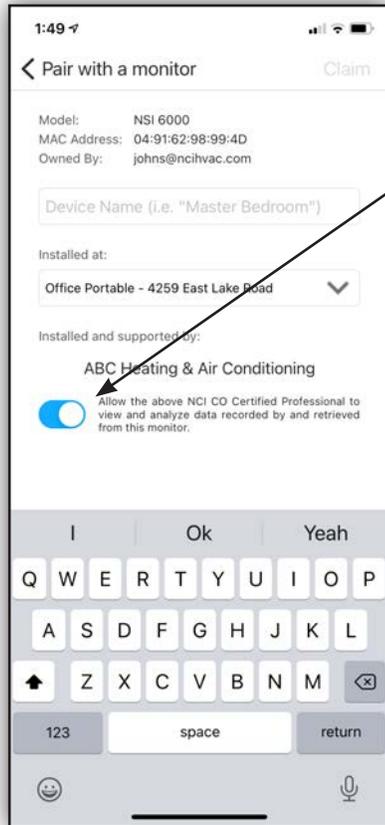
**Give the device a name** – it might be a good idea to name the device the same as the room it will be used in.

**Select or Create a New Location** – Name the location as the home or building the monitor will remain installed in. This way if you have monitors in multiple locations such as a vacation home, RV, boat, or plane you can easily identify where each monitor is located.



## Professional Monitoring

One of the great features of your NSI 6000 is your installing professional can continue to monitor your device's history. You will notice when you first claim a device it shows a toggle on the screen to allow your installing professional to continue monitoring your NSI 6000.



Provide your installing professional with access to the monitor's data.

**Make sure this toggle is on so your contractor will have access to the monitor's history in case of a CO event.**

We highly recommend you keep this feature on to allow your professional to continue monitoring your device.

Your installing professional can gather important historical information that could help them identify an issue even before it becomes a major health or life-safety problem. It's important to sync your monitor after any event and at least once a month to keep your monitor's history current.

If the monitor has already been claimed, simply tap on the Monitor Card to begin syncing.

Data Sync will begin automatically. The raw data stored on your NSI 6000 is transmitted via Bluetooth to your mobile device, converted, and sent to a secure cloud server, which allows you to access the cloud-stored data from any mobile device with the CO Monitor App installed and signed into your account.

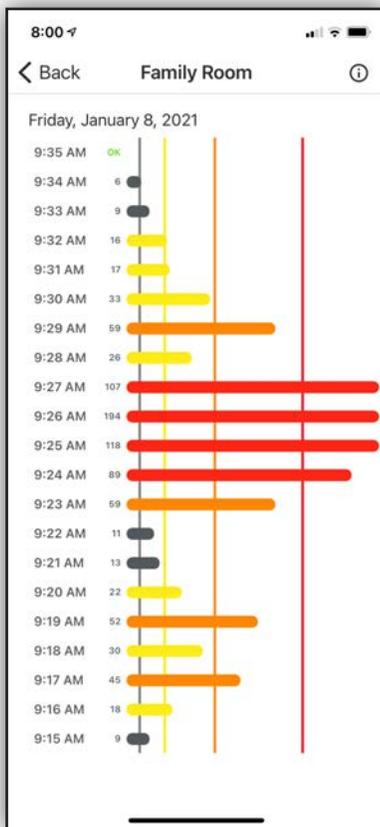
# View Your NSI 6000 Monitor's History In The NSI App

## Sync your Monitor at least once a month!

If you choose to use the NSI 6000's valuable Bluetooth and Smart Phone features, it's important to sync the monitor with your phone at least once a month and after any CO event.

This helps to insure your monitor information, including accurate date, time, and event history are safely and confidentially stored online. This also allows your installing professional access to the information to help them diagnose potential issues with CO in your home by viewing detection times and patterns, particularly with elusive low-level readings.

To view a monitor's history, simply tap on the monitor you want to view. If you see "OK", that means there have been no CO events recorded to the logs with accurate time and date details.



Here is an example of a monitor's history including some major CO events.

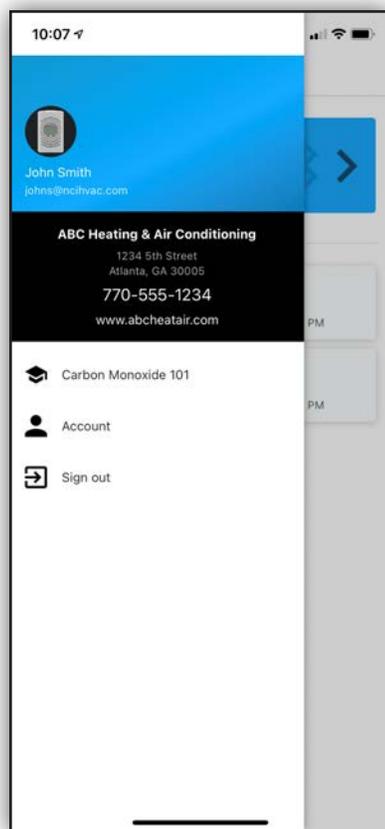
# Application Updates

From time to time, we update the CO Monitor phone App so that you can get the most up-to-date features and functionality. Updates will also fix minor bugs if some should crop up.

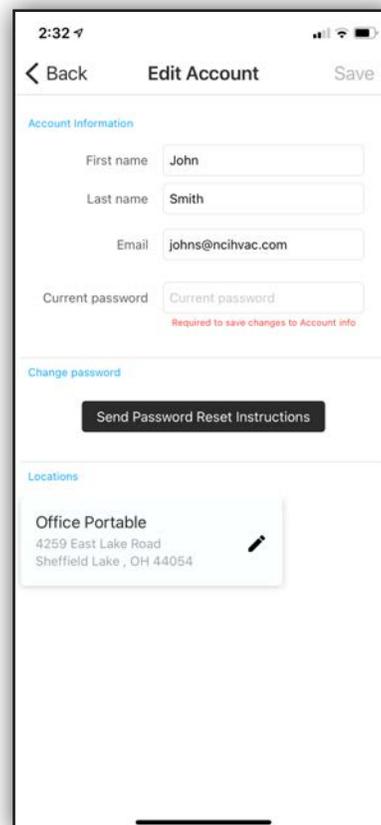
When an update is available, you will be notified when you open the app. Just follow directions and the update will take place automatically.

# Account Management & Valuable Information

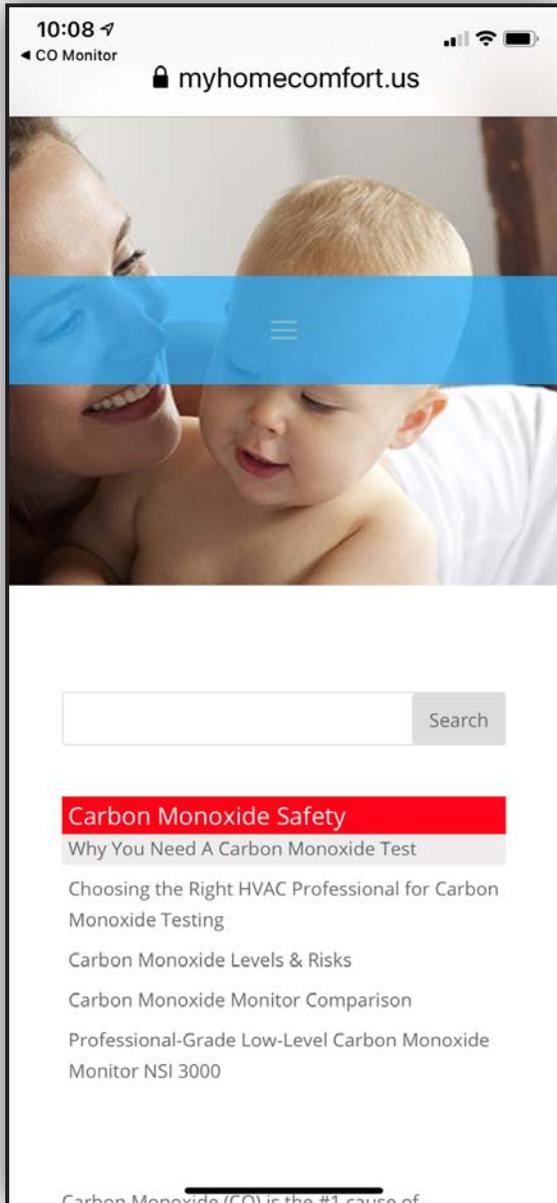
You can manage your account information by tapping the menu icon at the top left of the screen.



From the next screen you can manage your Account settings. Here you can edit your name and email address. You can also change your password and edit locations associated with your account.



When you click on Carbon Monoxide 101, your browser will take you to a website with educational information on Carbon Monoxide safety, and much more.



This informational site, [www.myhomecomfort.us](http://www.myhomecomfort.us) will help you learn about the importance of Carbon Monoxide safety testing, CO levels and risks, the importance of owning a low-level CO Monitor, and why it's so different from typical CO Alarms sold in stores.

# Maintaining/Testing Your Low-Level CO Monitor

## Battery Installation/Replacement

**STEP 1:** If the low-level CO monitor is wall mounted, simply pull up and out to remove it from the wall.



**STEP 2:** Slide the battery cover open as shown.

**STEP 3:** Replace the battery with an approved CR123a 3-volt Lithium battery, making sure the battery terminals align properly with the low-level CO monitor terminals and push the battery into place.

**STEP 4:** Slide the battery cover so that it is completely closed and return the low-level CO monitor to the original position. **Warning: The cover will not close without a battery in place.**

**STEP 5:** Once the battery is connected, your low-level CO monitor will first display all the icons. The digital readout will then display a CAL which indicates it is calibrating to your indoor environment. Calibration will last approximately 5 minutes. During this time, do not move the monitor or place it near a source of CO. After calibration the monitor will go directly to Monitoring mode.

**STEP 6:** Your advanced low-level CO monitor does not require a prolonged 'power-up' period. If you have followed all of the above steps correctly, your unit will begin monitoring for CO in 5 minutes. The word **Monitoring** on the display is your assurance that your unit is receiving power. If there are problems with the unit, the digital display will flash **Err**.

**STEP 7:** Test the unit by pressing the Test/Reset button briefly to confirm that the low-level CO monitor is operating properly. The low-level CO monitor should sound as soon as the button is pressed, indicating that the horn is working and the battery is providing power to the unit. Release the test/reset button to silence the horn. The horn and battery should be tested on a monthly basis.

**Warning: Prolonged exposure to the horn in close proximity will damage your hearing.**

When there is no battery in place, the battery cover will not slide closed to remind you to replace the battery. Under normal operating conditions, the battery should last one year. The battery life in full alarm mode is 7 days. The low-level CO monitor will not protect against the risk of CO poisoning when the battery has drained.

**Warning: Constant exposure to extreme high or low temperatures may reduce battery life.**

## Maintenance

Your low-level CO monitor will alert you to potentially hazardous CO concentrations in your home when maintained properly. To maintain your low-level CO monitor in proper working order, and to ensure that your sensor will maintain its 5-7 year life, it is recommended that you:

- Test your low-level CO monitor at least once per month
- Keep the low-level CO monitor free of dust by gently vacuuming the case with a soft brush attachment once per month
- Never use cleaning solutions on your low-level CO monitor. Simply wipe with a slightly damp cloth
- Do not paint the low-level CO monitor
- Do not spray aerosols on or near the low-level CO monitor.
- Move the low-level CO monitor to a safe location and store in a plastic bag before painting, wall papering, using or performing any other activities that use materials that emit strong fumes. Remember to remove it from the bag and replace the low-level CO monitor when these activities are finished.

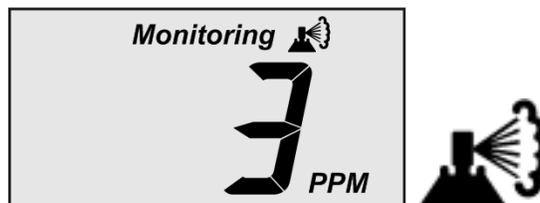
## Test/Sniffer Mode

**CAUTION:** All sensor testing should only be performed by a responsible adult. This test should be performed at least once a year, but not more often than once a month. Excessive testing will cause the battery life to be shortened.

**Note:** If you are unable to, or do not want to perform this test yourself, ask your installing professional about performing the annual testing for you.

### FOLLOW THESE STEPS TO TEST YOUR NSI 6000 MONITOR:

**STEP 1:** Hold the Test/Reset button down for ten seconds or more, then release the button. The Spray Can Icon should be visible and the green LED will flash once per second. This indicates that the low-level CO monitor is now monitoring continuously for CO and may be tested using a known source of CO.



**STEP 2:** Light a cigarette or an incense stick using a match or lighter. Extinguish the lighter, or put out the match and place it into a dish of water.

**STEP 4:** Hold the burning cigarette or incense stick 8-10 inches away from the low-level CO monitor, so that the smoke moves towards the slots above and below the LCD display in the front of the low-level CO monitor. The display will instantaneously indicate the amount of CO in the smoke. An increase in the CO level on the digital display will indicate that the sensor and electronics are working properly. Placing the monitor in a plastic bag filled with smoke will produce a more immediate response.

**STEP 5:** Put out the cigarette or incense stick by placing it into a dish of water. Ensure that all flames have been extinguished.

**STEP 6:** The spray can icon will disappear after four minutes, and the low-level CO monitor will then be in normal monitoring mode and the memory will reset to 0.

**Note:** If the spray can icon is flashing press the test/reset button once to return to 'sensor testing' mode.

## What To Do In The Event Of An Alert Or Alarm

**WARNING:** A loud alarm is a warning that high and potentially lethal levels of carbon monoxide are present. Never ignore this alarm, further exposure can be fatal. Immediately check residents for symptoms of carbon monoxide poisoning and contact the proper authorities to resolve all CO problems.

### **NEVER IGNORE A LOW-LEVEL OR HIGH-LEVEL ALARM.**

Please carefully review this owner's manual to ensure that you know what actions to take in the event of both high- and low-level alarms.

#### **What to Do During A Crisis Alarm - Above 70ppm**

- Evacuate the building immediately
- Do not take time to open windows or turn off equipment
- Phone your emergency response call from next door or your cell phone
- Phone your NCI-certified Professional on their emergency number. Keep this number in a prominent place
- Get medical help (Oxygen Therapy) immediately for anyone suffering from any symptoms or illnesses that can be attributed to carbon monoxide exposure (Do not drive to hospital yourself)
- Do not use any combustion appliance until the source of the problem is identified and corrected.

#### **What To Do During A Mid-Level Alarm – 35– 69ppm**

- Open the doors and windows to ventilate
- Turn off appliances where possible
- We recommend highly that you exit the property leaving the doors and windows open
- Phone your NCI-certified Professional on their emergency number; keep the number in a prominent place

### **What To Do During A Mid-Level Alarm – 35– 69ppm - (continued)**

- Do not re-enter the property until the alarm has stopped
- Get medical help immediately (Oxygen therapy for anyone suffering the effects of carbon monoxide poisoning (headache, nausea), and advise that carbon monoxide poisoning is suspected
- Do not use any appliance until the source of the problem is identified and corrected.

### **What To Do During A Low-Level Alert – 15- 34 ppm**

- Open all doors and windows to ventilate.
- Turn off all vented appliances that are potential sources of CO when possible, and stop using the appliance. These may include gas and wood-burning fireplaces, all gas appliances, and barbecues.
- Any unvented appliances, such as ovens, gas logs, space heaters, etc., may need additional ventilation to continue safe use.
- Note the reading on the display.
- Silence the alarm and turn off the low-level icon by pressing the Test/Reset button.
- Do not use any appliance, vented or unvented, again until it has been checked by an NCI Certified CO/Combustion professional and corrections are made.
- Get medical help (Oxygen therapy) immediately for anyone suffering the effects of carbon monoxide poisoning (headache, nausea), and advise that carbon monoxide poisoning is suspected.

## **Technical Specifications**

Low-level CO monitor Specifications:

Model: NSI 6000

Sensor Type: Electrochemical

Sensor Life: 5-7 Years

Sensor and Digital Display Range: 5 – 999 PPM – always on

Readout Accuracy: +/- 20 ppm at 100 PPM, 30% above 400PPM

Alarm Sound Level: 85 dB at 10 feet (3.5 meters)

Single red/green LED: Shows normal operation and alarm condition

Recommended Batteries: CR123a – Duracell, Energizer, Polaroid

Battery Life: 1 year, replaceable

Temperature Range: 4.4 °C (40 °F) to 37.8 °C (100 °F)

Operating Humidity Range: 10-95% RH

Weight: 228 grams (10 oz), including battery

**⚠ WARNING: A CARBON MONOXIDE LOW-LEVEL CO MONITOR IS NOT A SUBSTITUTE FOR A SMOKE ALARM OR A COMBUSTIBLE GAS DETECTOR.**

## 5-Year Limited Warranty Information

**Warranty Coverage:** *National Safety Instruments, LLC (NSI) warrants to the original purchaser that the enclosed NSI 6000 low-level carbon monoxide monitor, excluding the battery, shall be free from defects in materials and workmanship under normal residential use and service for a period of five (5) years from the date of purchase.*

*During the five (5) year period NSI's liability hereunder is limited to repair or replacement of the product. This warranty applies to the original purchaser from the date of original purchase and is not transferable. Proof of purchase is required.*

**Warranty Claims:** *If the NSI 6000 has failed within the warranty period, please contact the NCI certified professional from whom you purchased the low-level monitor. National Safety Instruments will only work directly with the original reseller to handle the warranty claim.*

**Authorized Resellers:** *Please contact National Safety Instruments, LLC, or the distributor you purchased the NSI 6000 from directly to initiate a Warranty Return Authorization. Any returns without a prior Return Authorization Number will be refused.*

**Warranty Disclaimers:** *Any implied warranty arising from the sales, including but not limited to the implied warranties of description, merchantability, and fitness for a particular purpose, are limited in duration to the above warranty period. In no event shall NSI be liable for loss of use of this product or for any indirect, special, incidental or consequential damages, or costs incurred by the consumer or any other user of this product, whether due to a breach of contract, negligence, strict liability in tort or otherwise. NSI shall have no liability for any personal injury, property damage, or any special, incidental, contingent or consequential damage of any kind resulting from gas leakage, fire, or explosion. In no case shall NSI be liable for any consequential or incidental damages for breach of this or any other Warranty, expressed or implied whatsoever, even if the loss or damage is caused by NSI's negligence or fault.*

*NSI shall not be obligated to pay for any carbon monoxide investigation or service call conducted by a fire department, gas or utility company, or licensed investigator or repairman, arranged by the homeowner in response to an alarm.*

*Your low-level carbon monoxide monitor is not a substitute for property, disability, life, or other insurance of any kind. Consult with an insurance agent for appropriate insurance coverage.*