

CO Experts Model 2016

Level CO "Health" Monitor OWNER'S MANUAL

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IMPORTANT NOTICE:

- The Model 2016 is designed to be available ONLY from Licensed Contractors or Agencies Approved and Registered by CO Experts.
- Warranties on Model 2016 CO "Health" Monitors NOT obtained DIRECTLY from an Authorized Contractor or Agent WILL NOT BE HONORED.
- Dated "Proof of Purchase RECEIPT" from a licensed Contractor or Approved Agent will be required on all returns.

CO Experts LOW-LEVEL CO "Health" MONITORS ARE ESPECIALLY NEEDED IN THE HOMES OF THE FOLLOWING:

Pregnant Women, Infants, Young Children, the Elderly, and people with Chronic Medical Conditions are at FAR Greater Risk when they have elevated levels of COHb. All persons with serious illnesses will start to suffer much more due to Oxidative Stress which increases as a result of even very low levels of Chronic Low Level CO Poisoning. People having Asthma, Bronchitis, Emphysema, Heart Disease, Anemia or COPD will experience extreme difficulty in breathing.

1. This Low-Level Carbon Monoxide Monitor is NOT a "Standard", UL 2034, ULC, or CSA Listed CO Alarm. We believe low level CO Warning at 10, 25, 35 & 50PPM make it FAR SUPERIOR to any detector that is not even TESTED BELOW 70PPM.

If you are stuck in an uninformed City, County or State that has not yet AMMENDED the ineffective high level CO Alarms out of your requirements, please call upon your Fire Chief, City Manager and County Commissioners to VOTE TO AMMEND THE CO Requirements at once. It will prevent CO DEATHS and serious CO Poisonings in your area. See our website today.

Regardless, we urge you to install one or more CO Experts Model 2016 Low Level CO "Health" Monitors to provide the vital protection that you and your entire family needs from Chronic Low Level CO Poisoning which is not provided by ANY UL / CSA Listed CO alarm.

2. To repeat, this product is a CO "Health" Monitor; therefore, this CO Experts Low Level CO "Health" Monitor is designed to Exceed the Early Warning Detection Requirements of any and all CO Standards, Codes or Requirements for CO "Alarms" presently enacted anywhere in the World. Therefore, this Monitor is not designed to meet/comply with any present Residential, Commercial, Industrial, Marine, Aircraft, or other established CO Standard except those of CO Experts.

3. WARNING: CO Monitors / Alarms are not UL-Listed as Smoke, Fire, Combustible or other Gas Detectors, and you do need to obtain additional products designed for your Protection from these Hazards. Your New Model 2016 Low Level CO "Health" Monitor will provide a very good, fast responding additional detector in the case of a slow smoldering type fire in your home or building due to the fact that such smoke contains high, deadly levels of CO which your CO Monitor will detect and alarm to in REAL TIME in a matter of seconds. Often long before the smoke detectors used in most homes.

INSTALLATION INSTRUCTIONS:

Preferred Installation:

We recommend using the **VELCRO** strips provided to wall mount your CO Monitor. All digital display type CO Monitors or alarms should be mounted "head high or slightly higher" on an inside wall, and if the home has only one CO Monitor, it should be located within 15 feet of the bedroom door. Actually you should have at least one CO Monitor on each "Lived In" Level of your home.

When using the Velcro to mount your CO Monitor, you must remember to clean, [using only a damp cloth], both the flat wall or other vertical surface upon which you intend to mount your CO Monitor; as well as the rear housing surface of the Monitor, being very careful not to get water into the housing of the CO Monitor.

Also, if you are using Velcro or when using your CO Monitor as an "On Person" CO Monitor without the back plate, [as we do], you must personally remember to activate the Monitor manually by moving the "ON/OFF" toggle switch located inside the Vertical slot located in the right rear of the main body of the Monitor housing. The power supply is activated by lifting the toggle switch arm upward and can be turned OFF by pushing the arm Downward.

Using the Velcro to wall mount your CO Monitor also makes it far easier to take your Monitor off the wall when you want to use it as a portable CO Sensing tool throughout your home or to take it with you when you travel.

ALWAYS BE SURE YOU HAVE REACTIVATED YOUR CO MONITOR AFTER RETURNING IT TO THE WALL MOUNT POSITION BY PUSHING THE TEST BUTTON AND HEARING THE FOUR BEEPS.

Mounting the Monitor with the wall bracket on wall.

Decide on the location for the monitor in an open, unobstructed area, generally in the hallway outside the bedrooms is the recommended installation location if you purchased only one CO Monitor. You can get additional guidance from the section below titled "Where to install the monitor".

Using the screws and bracket supplied affix firmly to the wall.

Assemble the monitor to the base plate. The monitor will automatically switch on and beep 4 times with lights and display.

Note: To remove the monitor from the base plate, depress the tag fully towards the back of the Base plate and slide the monitor towards the top. This procedure of disconnecting the TOP and the BOTTOM plates of the Monitor is your ONLY WAY of disconnecting the battery power to prepare your Monitor for shipping and to silence all audible alarms until they are reconnected.

Attach the stand

[Back mounting plate must be attached for this to work properly.]

Place the monitor in your chosen position in free air with no local obstructions and close to the front edge of shelves and surfaces. See "Where to install the monitor" below. Test the monitor using the test button.

5. Where to install your CO Monitor in your home

The First Priority in every home is to protect you as you sleep; therefore, if you can truly afford to purchase only one CO Monitor, you MUST install it in your bedroom area. Usually it is required to be installed in the hallway outside of each bedroom area, within 15 feet of each bedroom doorway. If you have a thermostat in this hallway, installing your CO Monitor directly above it is a Great location. It can be installed on any INSIDE WALL, mounted "Head High", or slightly higher; however, be sure all adult and older children can easily reach the "Test & Silence buttons" and where everyone can easily and clearly see the Monitor's display window.

If you already have a CO alarm or CO Monitor in the hallway outside your bedrooms, then you should consider using the unique mounting stand provided with every Model 2016 to put the new Monitor within the Master Bedroom and / or within the bedroom of any seriously ill person or in any other room where the ill person spends a lot of time. The CO Experts Low-Level CO "Health" Monitor can be installed in any indoor, "Lived In" area, where it can be both heard and seen visually on a regular basis. The Monitor should never be installed where either the display or the audible alarm will be obstructed in any manner.

Additional Low-Level Monitors should be installed in other areas of your home where any member of your family spends a lot of time, or in other areas where there are possible sources or circulation / distribution of CO being produced or expelled into the living area.

6. Where NOT to install your CO MONITOR:

- NEVER install Outdoors, or in ANY unheated area where temperatures may drop below 0 C, or above 40C.
- NEVER install behind drapes or curtains.
- NEVER install within 4 feet of vents, flues, or chimneys.
- NEVER install within 6 feet of any combustion appliance, such as ovens, ranges, stoves, fireplaces, furnaces, etc. [Exception: I personally DO install one, if possible, on a wall near all unvented gas heaters; as well as hot water heaters if they are located in the "Lived In" area of the home.
- NEVER install Within 4 feet of corners or solid barriers, or any other areas where the free circulation of air may be impeded or prevented.
- NEVER install in any place where the Monitor may be physically damaged or exposed to water, rain or other liquids.

7. MAINTENANCE required by Consumer:

How long your Monitor will last is UP TO YOU. Follow Instructions.

Testing your CO Monitor

Test your CO Monitor once a week using the test button. It should flash all three LED'S once, followed by 4 beeps from the sounder.

Cleaning your CO Monitor

Regular cleaning of the Monitor is essential if it is to work properly. Keep free of dust and vacuum it every month with the hair/fiber brush and ensure the vents are clear. Every six months wipe the outside with a slightly damp cloth to remove staining and grease from cooking.

Battery Information

The battery is sealed in and is not replaceable. It should last 5 years, the expected life of the Monitor. After approx. five years the Monitor will beep two times every minute to indicate it has reached the END of its Useful LIFE. At this point the Monitor must be replaced

8. Automatic Fault Detection

In the unlikely event of a fault developing in your Monitor, it will emit one beep every minute. If this happens DO NOT OPEN THE Monitor, there are no user serviceable parts inside, and opening the Monitor will automatically VOID your warranty. Remove from the base plate to turn your Monitor OFF and return it to the manufacturer at the address indicated in this Manual.

All "Fault" Warnings result in your CO Monitor Beeping one single beep while the LCD display screen is showing "bat" if the battery, or "Sensor End" if either has reached the end of its "Useful Life." A "bae" display means a bad connection.

If the CO Monitor has developed any type of electronic failure, it will beep ONE SINGLE beep per minute and the LCD will Display a fault signal, indicating the Monitor needs to be repaired or replaced. If this occurs you need to contact CO Experts for a MRA NUMBER PRIOR TO RETURNING your CO Monitor. at: E-mail: coexperts@seabreeze.ca giving your name, address, preferred phone number and the "fault warning" being displayed on the LCD; as well as the name of the Licensed Contractor from whom you purchased it and the DATE of purchase.

HAVING A WORKING CARBON MONOXIDE MONITOR IN YOUR PROPERTY SHOULD NOT BE SEEN AS A REASON TO AVOID THE REGULAR SERVICING OF FUEL BURNING APPLIANCES.

9. DIGITAL DISPLAY DATA RECALL

At any time, by simply touching the "Display" button on the Right Side of your Monitor below the row of three L.E.D. lights, the LCD will recall the "Peak", [the highest CO PPM seen and recorded during the preceding 24 hours], followed by the percentage of COHb, [the CO Poisoning accumulated effect in the human blood stream. This is the amount of the CO exposure that you would have experienced if you had been exposed to that same CO PPM level during that same period of time.

The LCD will then return to displaying "0" or the CO PPM level present if it is above 6 PPM.

If, after a CO exposure you want to erase, [Clear], the Stored Data previously recorded, you may do so by simply depressing BOTH the "Test" and the "Display" buttons at the same exact time and continue to hold them BOTH depressed until the L.E.D. flashes and the sounder beeps a single beep. Release BOTH buttons immediately and the old data will be Cleared and CANNOT be retrieved again; therefore you may want to make a record of the CO Readings before "Clearing" them.

10. CO – EXPERTS Alarm WARNING LEVELS

Visual: 0 to 6 displays "0", from 7 PPM UP to "HI" displays CO PPM constantly.

Audible warnings as follows:

10 to 24 PPM ...	ONE Series of four beeps ONCE every Minute
25 to 34 PPM ...	ONE Series of four beeps ONCE every Minutes
35 to 50 PPM ...	ONE Series of four beeps every 30 seconds
"High" ...	ONE Series of four beeps every 20 Seconds

11. SILENCE / HUSH PERIODS .

If you are present when the audible alarm sounds you should Immediately push the "Test / Silence" button.

However, if you are not at home when the audible warning sounds, after FOUR, [4], MINUTES THE "Silence" is AUTOMATICALLY employed for you to conserve the battery power. ALL PERIODS OF SILENCE, AND OVERRIDES REMAIN THE SAME AS SHOWN.

10 to 24 PPM ... Silence ... 24 Hours with RED L.E.D. FLASHES once a minute
25 to 34 PPM ... Silence ... 8 Hours with RED L.E.D. FLASHES once a minute
35 to 50 PPM ... Silence ... ONE Hour with RED L.E.D. FLASHES Twice a minute
"High" ... Silence....**4 Minutes** with RED L.E.D. FLASHES Three Times a minute

12. Limited Warranty

**The terms of this guarantee will not apply in the following circumstances:
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If the Monitor has been modified, dismantled, contaminated, dropped, damaged, neglected or otherwise abused or altered following the date of purchase, or if it fails to operate due to incorrect installation, specifically drawn to the users attention that substantial periods in alarm will shorten the Monitor's life, during which time it will have provided valuable protection and no claim under the guarantee will be honored. The standard Limited Warranty on this Model 2016 CO Monitor is one year, twelve months from the date of Purchase, but such date of purchase is NOT to exceed Three Years from the Date of Manufacture; however, an Extended Warranty may be added on some purchases for an additional fee. If such extended warranty is granted on your monitor it must be indicated on the original invoice. In no case shall extended warranties be granted after date of purchase.

CO Experts total liability on this Monitor under the terms of this guarantee shall not in any case exceed the cost of replacement of the Monitor. In no case, shall CO Experts be liable for consequential loss or damage resulting from the failure of the Monitor or the breach of this or any other guarantee, expressed or implied or for damage caused by failure to abide by the instructions supplied.

This guarantee does not affect your statutory rights.

IMPORTANT: This device is not suitable as a combustible gas detector. It should not be regarded as a substitute for the proper servicing of fossil fuel burning appliances such as gas, oil, paraffin, bio-fuel, wood, coke, charcoal or coal fired boilers, room heaters and cookers, etc, or their flues.

Distributors, Dealers or Contractors are NOT responsible for RETURNING Monitors requiring warranty / service, this is the responsibility of the purchaser; however, if they DO attempt to provide this service, they MUST enclose a FULL, DATED Copy of the original bill of sale or installation / work order. NO Exceptions.

Upon receipt of same, the obligation of CO Experts under this warranty is limited to the repairing or replacing of any parts which it finds under normal care and use, to be defective in material or workmanship as long as such parts or components are still commercially available, and the returning of same to the customer. This warranty shall

NOT APPLY to any CO Monitors that have been opened, dropped, damaged, modified, abused or altered in any way after the date of purchase, whether intentional or accidental, or if used for purposes, or in environments / conditions other than those intended or for which it is recommended herein, after the date of purchase, or if it fails to operate due to improper maintenance or inadequate battery power.

Since some States do not allow limitations on the duration of an implied warranty or do not allow the exclusions or limitations of incidental or consequential damages, the above limitations or exclusions may not apply to you. While this warranty gives you specific legal rights. You may also have rights that vary from State to State.

The above warranty may not be altered, increased or decreased in coverage, or changed in any way, by any agent, representative, distributor / dealer or employee.

Warranty or Service work will not be done on any return that did not arrive prepaid and with a MRA Number from CO Experts and a dated receipt of proof of purchase.

Send all Service or Warranty Returns to:

CO Experts
Seabreeze International Corp.
1051 Clinton Street
Buffalo, NY
14206

13. CARBON MONOXIDE SYMPTOMS:

Any mix of the following symptoms may be due to CO exposure, especially if chronic, or if it is noticed by more than one person in the home or workplace at the same time: Headache, Fatigue, Nausea, Vomiting, Confusion, Memory Loss, Heart/Chest Pain, Rapid Heart Beat, Rapid Breathing, Shortness of Breath, Changes in Vision, Hearing, Touch, Taste, or Smell.

What Is Carbon Monoxide?

Carbon Monoxide (CO) is an extremely poisonous gas. It is a colorless, odorless and tasteless gas released by the incomplete combustion of fossil fuels such as natural gas, bottled gas, petrol, diesel, oil, paraffin, wood, coal coke and bio-fuels.

When inhaled, it causes chemical asphyxiation, when CO mixes with the blood and reduces the oxygen carried around the body, in particular to the brain. The following symptoms are typical of CO poisoning and should be discussed with all members of your household.

Mild Exposure:

Slight headache, nausea, fatigue, often thought to be flu symptoms. Think CO.

Medium Exposure:

Severe throbbing headache, drowsiness, confusion, vomiting and fast heart rate.

Extreme Exposure:

Unconsciousness, Convulsions, Cardio-respiratory failure, death. Although feeling unwell, victims of CO poisoning become so disoriented that they can no longer decide what to do next, including being unable to exit the building or call for assistance. Very young children often show symptoms earlier than adults. **Being affected while asleep is the most dangerous situation as the victim will not awaken as a result.**

14. SPECIFICATIONS

Normal Operation:	Green LED Flashes once a minute
Visual Alarm:	Red, Green and Yellow L.E.D.
Audible Alarm:	Piezo - 85dB at 10 feet
Display Range:	0 to 6 PPM displays "0" 7 to 50 PPM to "HI" Constantly Displayed.
Data Recall:	"HI" [PEAK] and COHb Recorded in the last 24 hours.
Sensor:	Electrochemical Sensor, 5 year normal life
Power:	Non-replaceable Sealed Lithium Battery 5 year normal life
Operating Humidity:	30 to 90% non saturated Recommended
Operation Temp:	0 to 40 C
Size:	3 3/4" H, 2 1/2 W at top, 1" W. at base
Weight:	4 ounces
Limited Warranty:	One year plus options
Normal Expected Life:	5 years depending on care.