



Manuals.plus /

- › GasDoc /
- › GasDoc DS-399 Carbon Monoxide Detector User Manual

## GasDoc DS-399

# GasDoc DS-399 Carbon Monoxide Detector User Manual

Model: DS-399 | Brand: GasDoc

## INTRODUCTION

Thank you for choosing the GasDoc DS-399 Portable Carbon Monoxide Detector. This device is designed to provide reliable detection of carbon monoxide (CO) gas, a colorless, odorless, and potentially deadly gas. Equipped with advanced sensing technology, the DS-399 offers both audible and visual alerts, along with real-time temperature and humidity monitoring, ensuring your safety in various environments such as homes, cars, tents, and during travel or camping. Please read this manual thoroughly before using the device to ensure proper operation and to understand all safety precautions.

## PRODUCT OVERVIEW AND FEATURES



The GasDoc DS-399 Carbon Monoxide Detector, shown with its included USB-C charging cable and lanyard. The device features a clear digital display for CO levels, temperature, and humidity, along with intuitive control buttons.

- **Carbon Monoxide Detection:** Detects CO levels from 0 to 1000 PPM. Allows setting custom alarm thresholds for early detection.
- **3-in-1 Measurement:** Monitors real-time carbon monoxide concentration, temperature (in Celsius), and humidity.
- **Powerful Rechargeable Battery:** Equipped with a 1000mAh lithium battery and Type-C charging. Provides up to 168 hours (7 days) of continuous use on a full charge.
- **Compact and Portable:** Roughly the size of a palm (4.13"D x 0.83"W x 2"H, 2.71 ounces), designed for easy

carrying in a pocket or attached to luggage with the included lanyard.

- **Audio-Visual Alarm:** Emits an audible alarm and changes the ring indicator light color (green for safe, orange for warning, red for danger) when CO concentration exceeds the set threshold.
- **Quick Response:** Features a rapid 0.5-second response time for timely detection of CO.

## AUDIBLE & VISUAL ALERT



0-50PPM  
● **SAFE**

51-150PPM  
● **WARNING**

>150PPM  
● **DANGER**


Adjustable alarm threshold range: **25~125ppm**

The DS-399 provides clear visual and audible alerts. The ring indicator light changes color (green for 0-50PPM safe, orange for 51-150PPM warning, red for >150PPM danger), accompanied by a beeping alarm.

## ULTRALONG STANDBY

# 7x24h

Type-C Rechargeable



\*Note: Auto screen off after long inactivity

The DS-399 boasts an ultra-long standby time of 7x24 hours (168 hours) thanks to its efficient battery and convenient Type-C rechargeable design. The screen automatically turns off after long inactivity to conserve power.

The DS-399 is versatile for various environments, including camping, hotels, tents, and vehicles like trucks, providing safety wherever you go.

## WHAT'S IN THE BOX

# GASDOC

# DS-399



## Carbon Monoxide Detector

The package includes the DS-399 Carbon Monoxide Detector, a Type-C USB charging cable, a lanyard, and the user manual.

- 1x GasDoc DS-399 Carbon Monoxide Detector
- 1x Type-C USB Charging Cable
- 1x Lanyard
- 1x User Manual

## SETUP

1. **Initial Charge:** Before first use, fully charge the DS-399 detector using the provided Type-C USB cable and a standard USB power adapter (not included). The battery indicator on the display will show charging status. A full charge provides up to 168 hours of continuous operation.
2. **Power On/Off:** Press and hold the center button to power the device on or off. The display will illuminate upon power-on.
3. **Attach Lanyard (Optional):** If desired, attach the included lanyard to the designated loop on the detector for easy carrying or hanging.
4. **Placement:** For optimal CO detection, place the detector in an area where CO is likely to accumulate, typically at breathing level. Avoid placing it near vents, windows, or direct heat sources.

## OPERATION

### Understanding the Display

The DS-399 features a clear digital display that shows the following information:

- **CO Concentration (PPM):** Displays the real-time carbon monoxide level in parts per million.
- **Temperature:** Shows the ambient temperature in Celsius.
- **Humidity:** Indicates the relative humidity percentage.
- **Battery Indicator:** Displays the current battery level.
- **Alarm Status Indicator:** The ring light around the buttons changes color based on CO levels.

### Setting Alarm Thresholds

The DS-399 allows you to customize the CO alarm threshold. The default setting is 50 PPM, and the adjustable range is 25 PPM to 125 PPM.

1. While the device is on, press the center button once to enter the setting mode. The CO PPM value will flash.
2. Use the Up (^) and Down (v) buttons to adjust the desired alarm threshold.
3. Press the center button again to confirm your selection and exit the setting mode.

### Alarm System

When the detected CO concentration exceeds the set alarm threshold, the DS-399 will activate its dual alert system:

- **Audible Alarm:** A loud beeping sound will be emitted.
- **Visual Alarm:** The ring indicator light below the screen will change color according to the alert level:
  - **Green Light:** 0-50 PPM (Safe)
  - **Orange Light:** 51-150 PPM (Warning)
  - **Red Light:** >150 PPM (Danger)

To silence the audible alarm, press any button. The visual alert will remain active until CO levels drop below the threshold.

## SAFETY INFORMATION

Carbon Monoxide (CO) is a colorless, odorless, tasteless toxic gas, often referred to as the "Invisible Killer." It is produced by the incomplete combustion of carbon-containing fuels. Inhaling high concentrations of CO can lead to serious health risks, including permanent brain damage, coma, and even death.

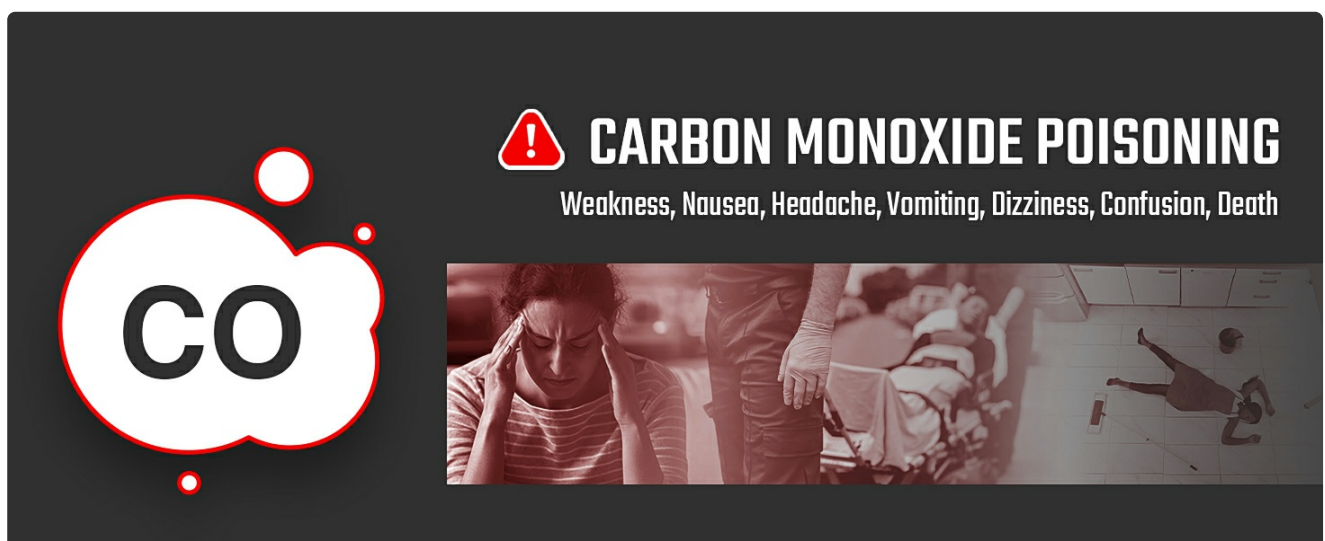
### Potential Sources of Carbon Monoxide



Common sources of carbon monoxide include fireplaces, water heaters, gas stoves, car mufflers, charcoal grills, and portable generators.

- Fireplaces and wood-burning stoves
- Gas water heaters and furnaces
- Gas stoves and ovens
- Vehicle exhaust (especially in enclosed spaces)
- Charcoal grills and portable generators (never use indoors)
- Blocked chimneys or flues

### Symptoms of Carbon Monoxide Poisoning



Symptoms of carbon monoxide poisoning can include weakness, nausea, headache, vomiting, dizziness, and confusion. Severe exposure can lead to death.

Early symptoms of CO poisoning are often mistaken for the flu and include:

- Headache
- Dizziness

- Nausea and vomiting
- Weakness and fatigue
- Confusion

Prolonged exposure or higher concentrations can lead to severe symptoms such as loss of consciousness, brain damage, and death. If the alarm sounds, immediately move to fresh air and seek medical attention.

## MAINTENANCE

- **Cleaning:** Gently wipe the detector with a soft, dry cloth. Do not use abrasive cleaners, solvents, or detergents, as these can damage the device or interfere with sensor operation.
- **Battery Care:** Recharge the device when the battery indicator is low. Avoid fully depleting the battery frequently to prolong its lifespan. Store the device in a cool, dry place if not in use for extended periods.
- **Testing:** It is recommended to periodically test the detector to ensure it is functioning correctly. While the device is designed for continuous monitoring, you can perform a simple test by exposing it to a small, controlled source of CO (e.g., cigarette smoke in a well-ventilated area, as shown in the image below) and observing if the alarm activates. Always exercise caution when performing such tests.

## HOW TO TEST THE DS-399



The DS-399 can be tested using cigarette smoke or by exposing it to paper burning in low-oxygen conditions to simulate CO presence.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Battery is depleted.	Charge the device fully using the Type-C USB cable.
Alarm does not sound when CO is present.	Alarm threshold set too high; device malfunction.	Check and adjust the alarm threshold (default 50 PPM, range 25-125 PPM). Perform a controlled test. If issue persists, contact customer support.
Inaccurate CO/Temp/Humidity readings.	Sensor obstruction or environmental interference.	Ensure the sensor vents are clear. Avoid placing the device near extreme temperatures or humidity sources.
Short battery life.	Frequent alarm activations; aging battery.	Reduce exposure to CO sources. Ensure full charges. Battery life naturally degrades over time.

## SPECIFICATIONS

Feature	Detail
Brand	GasDoc
Model	DS-399
CO Detection Range	0 - 1000 PPM
Adjustable Alarm Threshold	25 - 125 PPM
Power Source	Rechargeable 1000mAh Lithium Ion Battery
Charging Port	Type-C USB
Battery Life (Standby)	Up to 168 hours (7 days)
Alarm Type	Audible, Visual (Ring Indicator Light)
Product Dimensions (D x W x H)	4.13" x 0.83" x 2" (10.49 cm x 2.11 cm x 5.08 cm)
Item Weight	2.71 ounces (76.8 Grams)
Color	Dark Blue

## WARRANTY AND SUPPORT

**Warranty Description:** GasDoc provides a 36-month (3-year) after-sale service for the DS-399 Carbon Monoxide Detector. Please retain your proof of purchase for warranty claims.

For further assistance, technical support, or warranty inquiries, please refer to the contact information provided in

the physical user manual included with your product or visit the official GasDoc website. You can also find a digital version of the user guide here: [User Manual \(PDF\)](#).