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GasDoc DS-100

GasDoc DS-100 Portable Carbon Monoxide Detector User Manual

Model: DS-100

PRODUCT OVERVIEW

The GasDoc DS-100 is a versatile 3-in-1 portable carbon monoxide (CO) detector designed for safety in various environments, including travel, camping, hotels, cars, and RVs. It provides real-time monitoring of carbon monoxide levels, temperature, and humidity. Equipped with a long-lasting rechargeable battery and an audible and visual alarm system, it offers reliable protection against the dangers of CO.



Image: Front view of the GasDoc DS-100 Portable Carbon Monoxide Detector, showing its digital display with CO ppm, temperature, and humidity readings.

WHAT'S INCLUDED

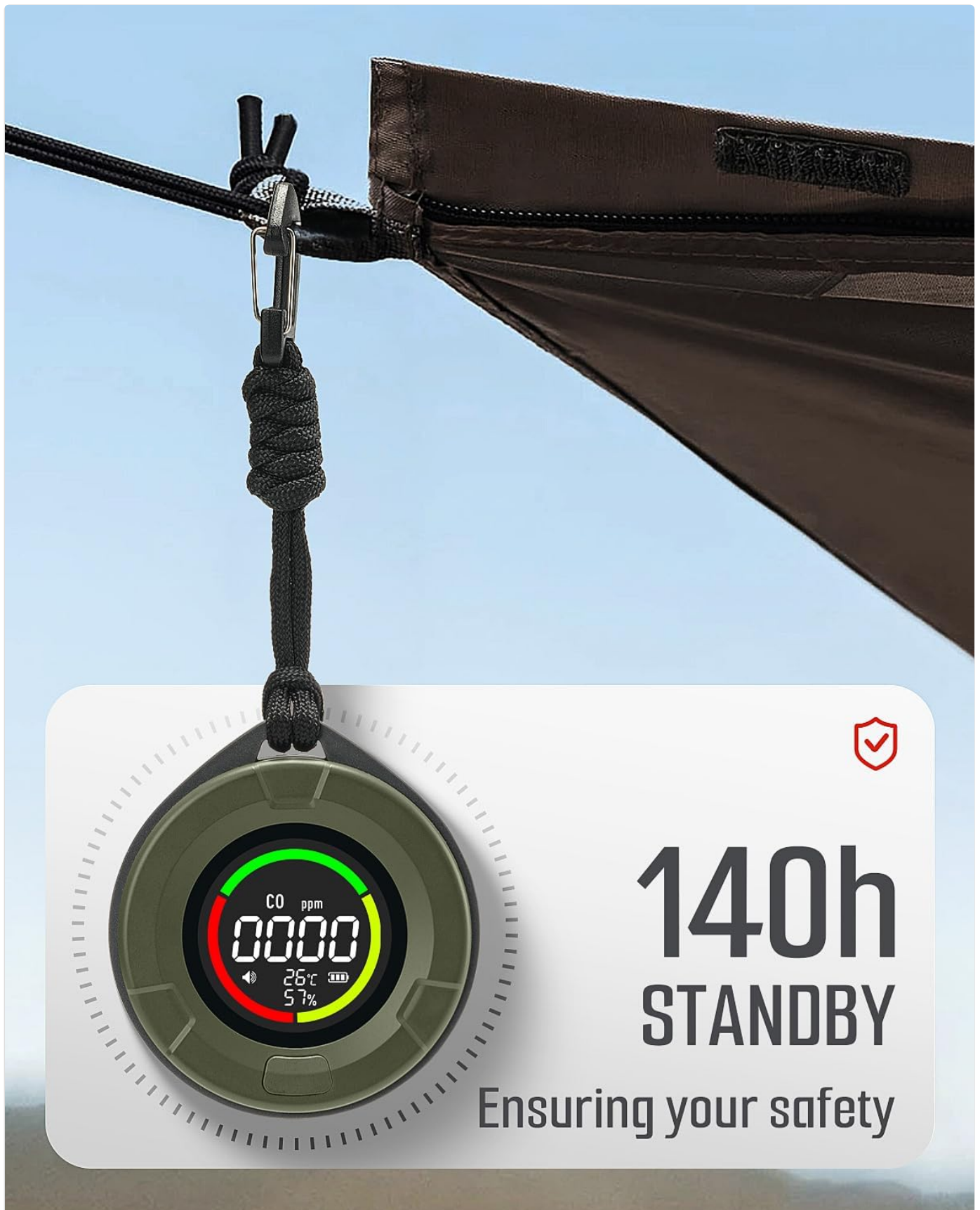
Upon opening the package, you will find the following items:

- DS-100 Carbon Monoxide Detector
- Type-C Charging Cable
- Outdoor Special Rope Buckle (Lanyard)
- User Manual (this document)

KEY FEATURES

- **3-in-1 Detection:** Detects carbon monoxide levels (0-1000ppm), measures temperature, and humidity. Alerts at 50 ppm CO concentration.

- **Long-lasting Battery:** Integrated 1000mAh lithium battery with Type-C fast charging. Provides up to 140 hours of standby operation on a single full charge.
- **Portable Design:** Compact and lightweight (7.6x6x3 cm, 106.7 grams) with an included lanyard for easy carrying and magnetic back for versatile placement.
- **Audio-visual Alarm:** Features a high-decibel audible alarm and flashing yellow/red indicator bars on the screen when CO concentration reaches or exceeds 50ppm. Alarm frequency increases with rising CO levels.



**140h
STANDBY**

Ensuring your safety

Image: The GasDoc DS-100 detector hanging from a tent, highlighting its 140-hour standby time.

**MAGNETIC
BACK
DESIGN**



**TYPE-C
CHARGING**

Supports fast charging

Image: Close-up of the GasDoc DS-100 showing its magnetic back attaching to a metal surface and the Type-C charging port.



Image: Examples of flexible placement for the GasDoc DS-100, including a living room, kitchen, and bedroom, demonstrating its stand and magnetic capabilities.

SETUP AND INITIAL USE

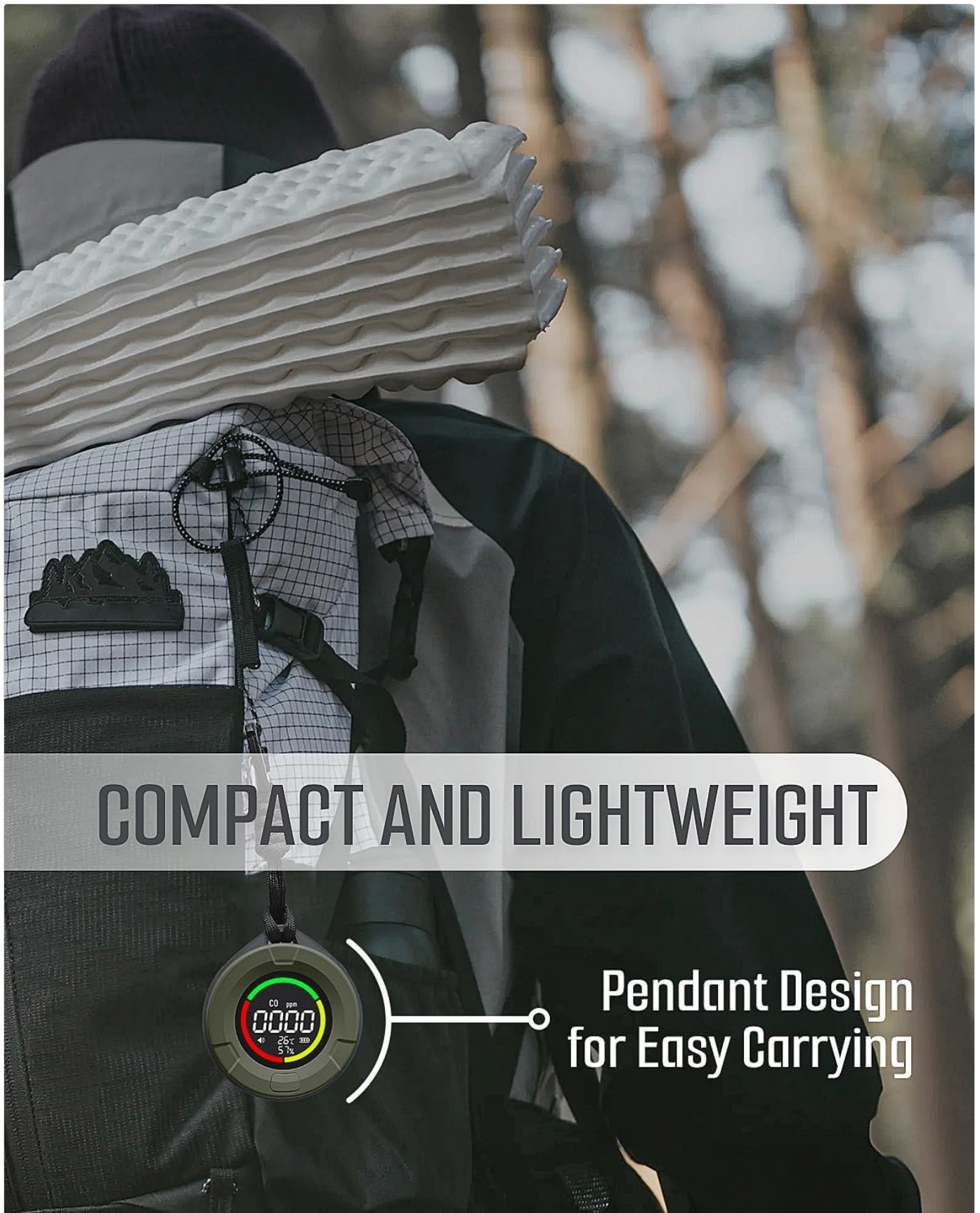
- Charging the Device:** Before first use, fully charge the DS-100 using the provided Type-C cable. Connect the cable to the charging port on the back of the device and to a standard USB power adapter (not included). The battery indicator on the display will illuminate and show current readings.
- Powering On/Off:** To turn the device ON, long-press the main button for approximately 3 seconds. The display will illuminate and show current readings. To turn the device OFF, long-press the same button for approximately 3 seconds until the display turns off.
- Unit Switching:** While the device is ON, short-press the main button to switch between Celsius (°C) and Fahrenheit (°F) for temperature readings.
- Alarm Threshold Customization:** The default CO alarm threshold is 50 ppm. To customize this threshold (between 25-125 ppm), double-press the main button. Follow the on-screen prompts to adjust the setting. It is recommended to keep the default setting based on health recommendations.

OPERATING INSTRUCTIONS

Once powered on, the DS-100 continuously monitors the environment for carbon monoxide, temperature, and humidity. The display provides real-time readings:

- **CO ppm:** Displays the concentration of carbon monoxide in parts per million (ppm).
- **Temperature:** Shows the ambient temperature in either Celsius or Fahrenheit.
- **Humidity:** Indicates the relative humidity percentage.
- **Battery Indicator:** Shows the remaining battery life.

Alarm Activation: When the carbon monoxide concentration reaches or exceeds the set threshold (default 50 ppm), the device will activate its audio-visual alarm. The screen's yellow or red indicator bars will flash, accompanied by a high-decibel alarm sound. The alarm frequency will increase as the CO concentration rises, providing an immediate warning of potential danger.



COMPACT AND LIGHTWEIGHT

Pendant Design
for Easy Carrying

Image: The GasDoc DS-100 display showing an active CO reading and indicating sound and light alarm features.

SAFETY INFORMATION: UNDERSTANDING CARBON MONOXIDE

Carbon Monoxide (CO) is a colorless, tasteless, odorless, and highly toxic gas. Due to its undetectable nature by human senses, it is often referred to as the "Invisible Killer." Inhaling high concentrations of CO can lead to serious health risks, including nerve damage, unconsciousness, and even death.

Potential Sources of Carbon Monoxide:

CO is produced by the incomplete combustion of carbon-containing fuels. Common sources include:

- Gas stoves and ovens
- Fireplaces and wood-burning stoves
- Water heaters
- Barbecue grills (never use indoors)
- Car exhaust (especially in enclosed spaces)
- Portable heaters and generators

Dangers and Symptoms of CO Poisoning:

Exposure to carbon monoxide can cause a range of symptoms, which may be mistaken for other illnesses:

- Headache
- Nausea and vomiting
- Dizziness
- Fatigue and weakness
- Confusion
- Shortness of breath
- Loss of consciousness

If the alarm sounds, immediately move to fresh air and seek medical attention if symptoms persist. Do not re-enter the area until it has been properly ventilated and the CO source identified and resolved.



Image: Visual representation of common household and outdoor items that can be sources of carbon monoxide.

STAND OR MAGNETIC · FLEXIBLE DETECTION



Image: Illustrations depicting the dangers and symptoms of carbon monoxide poisoning, such as headache, nausea, nerve damage, and unconsciousness.

MAINTENANCE

- **Cleaning:** Gently wipe the device with a soft, dry cloth. Do not use abrasive cleaners, solvents, or strong chemicals, as these can damage the sensor or casing.
- **Storage:** When not in use for extended periods, store the DS-100 in a cool, dry place away from direct sunlight and extreme temperatures. Ensure the battery is charged periodically to maintain its health.
- **Testing:** It is recommended to periodically test the detector's functionality. While the manual suggests using burning paper or cigarettes in a low-oxygen environment for testing, exercise extreme caution and ensure proper ventilation immediately after testing.

STAND OR MAGNETIC · NO MISSED DETECTIONS



Image: Instructions on how to test the DS-100 using burning paper or cigarettes in a relatively closed, low-oxygen environment.

TROUBLESHOOTING

If you encounter issues with your GasDoc DS-100, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Device does not turn on.	Low or depleted battery.	Charge the device fully using the Type-C cable. Ensure the charging cable and adapter are functioning correctly.
Display shows "CC" or "r" / No readings.	Sensor malfunction or internal error.	Try turning the device off and on again. If the issue persists, contact customer support.
Alarm sounds frequently without apparent CO source.	False alarm due to high humidity or other environmental factors; actual low-level CO presence.	Ventilate the area. If the alarm continues, evacuate and investigate potential CO sources. Ensure the device is not exposed to excessive humidity.
Temperature/Humidity readings are inaccurate.	Environmental interference; sensor calibration needed.	Ensure the device is placed in a stable environment, away from direct heat sources or drafts. If persistent, contact customer support.

SPECIFICATIONS

Attribute	Detail
Brand	GasDoc
Model Number	DS-100
Style	Magnetic Portable 3-in-1 CO Detector
Power Source	Rechargeable Lithium Battery (1000mAh)
Color	Dark Forest
Item Weight	106.7 Grams (3.76 ounces)
Product Dimensions	1.18 x 2.36 x 2.99 inches
Alarm Type	Audible, Visual
CO Detection Range	0 - 1000 ppm
Default Alarm Threshold	50 ppm
Operating Humidity	0% - 95% RH
First Available Date	September 4, 2024

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided on the product packaging or the official GasDoc website. Keep your purchase receipt for warranty claims.

This product is verified by Transparency, ensuring authenticity. Each item has a unique code that can be verified.