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MOES S01-CO-GY-MS-N

MOES Portable Carbon Monoxide Detector User Manual

Model: S01-CO-GY-MS-N

1. Introduction

The MOES Portable Carbon Monoxide Detector is a versatile 3-in-1 device designed to ensure your safety by continuously monitoring carbon monoxide (CO) levels, temperature, and humidity. Its compact and portable design makes it ideal for various indoor and outdoor environments, including homes, RVs, cars, and camping tents. This manual provides essential information for proper setup, operation, and maintenance of your detector.



Image: The MOES Portable Carbon Monoxide Detector, showing its compact size and digital display.

2. Key Features

- **3-in-1 Multifunctionality:** Detects CO levels (0-1000ppm), temperature (-10°C to 50°C / 14°F to 122°F), and humidity (0% to 95% RH).
- **Rapid Response Sensor:** 2-second refresh rate for real-time environmental monitoring.
- **Long Battery Life:** Built-in 1000 mAh battery provides up to 144 hours of working time.
- **Fast Charging:** Supports Type-C fast charging (10-65W), fully charging in approximately 1 hour.
- **Portable Design:** Compact dimensions (2.95x2.72x1.18 inches) with a strong lanyard and built-in magnet for versatile placement.
- **Customizable Alarm:** CO sound alarm range is customizable (default 50 ppm).

- **Clear HD Display:** Colorful HD screen clearly displays CO levels, temperature, and humidity data.



Image: The detector's display showing CO concentration, temperature, and humidity readings.

3. Package Contents

Please check the package contents upon unboxing:

- 1 x MOES Portable Carbon Monoxide Detector
- 1 x Type-C Charging Cable
- 1 x User Manual
- 1 x Lanyard with Carabiner

Your browser does not support the video tag.

Video: An unboxing and quick overview of the MOES Portable CO Detector and its included accessories.

4. Setup

4.1 Initial Charge

Before first use, fully charge the detector using the provided Type-C cable and a compatible power adapter (10-65W recommended). The battery indicator on the display will show charging progress.

4.2 Power On/Off

To power on the device, long press the function button located on the front. The display will light up and show current readings. To power off, long press the function button again until the display turns off.

4.3 Placement

The detector can be placed in various ways:

- **Standing:** Place it on a flat surface like a table or desk.
- **Magnetic:** Attach it to metal surfaces using the built-in magnet (e.g., refrigerator, metal cabinet).
- **Hanging:** Use the strong lanyard and carabiner to hang it on a hook, backpack, or inside a tent.



Image: Illustrations demonstrating magnetic attachment, standing on a surface, and hanging the detector.

5. Operating Instructions

5.1 Display Information

The colorful HD screen displays the following information:

- **CO ppm:** Carbon Monoxide concentration in parts per million.
- **Temperature:** Current ambient temperature in Celsius or Fahrenheit.
- **Humidity:** Current relative humidity percentage.
- **Battery Indicator:** Shows remaining battery life.
- **Alarm Status:** Visual indicators for CO levels (Green: Good, Yellow: Attention, Red: Danger).

5.2 Switching Temperature Units (°F/°C)

While the device is on, short press the function button to toggle between Fahrenheit (°F) and Celsius (°C) temperature display.

5.3 Customizing CO Alarm Value

To customize the CO alarm threshold:

1. Double-click the function button to enter setting mode. The CO ppm display will start flashing.
2. Short press the function button to adjust the value of the currently flashing digit.
3. Long press the function button to confirm the digit and move to the next digit (tens, hundreds).
4. Repeat until all desired digits are set. The device will automatically save the new setting after a few seconds of inactivity or upon exiting the setting mode.

Warning: Carefully read the manual before changing the CO alert value. Incorrect settings may compromise safety.

Your browser does not support the video tag.

Video: Demonstrates how to power on/off, switch temperature units, and customize the CO alarm threshold.

6. Maintenance

6.1 Cleaning

Wipe the detector with a soft, dry cloth. Do not use abrasive cleaners or solvents. Ensure the detection ports are clear of dust and debris.

6.2 Battery Care

Recharge the device when the battery indicator is low. For optimal battery life, avoid fully discharging the battery frequently. If storing for extended periods, charge the device every 3-6 months.

6.3 Sensor Longevity

The detector uses a catalytic combustion sensor. Avoid exposing the sensor directly to high concentrations of chemicals, strong fumes, or excessive dust, as this may affect its accuracy and lifespan.

7. Troubleshooting

Problem	Possible Cause	Solution
Device does not power on.	Low battery or device is off.	Charge the device. Long press the function button to power on.
CO reading is stuck at zero despite suspected CO presence.	Sensor malfunction or very low CO levels.	Ensure the device is in an area where CO is expected. Test with a known CO source (e.g., vehicle exhaust, briefly, in a well-ventilated area). If still zero, contact support.
Alarm sounds frequently without apparent CO.	Alarm threshold set too low or false alarm.	Check and adjust the customizable CO alarm value (refer to section 5.3). Ensure no other sources are triggering the alarm.

Problem	Possible Cause	Solution
Display is dim or unresponsive.	Power-saving mode or low battery.	Short press the function button to wake up the display. Charge the device if battery is low.



Image: Visual demonstration of testing the detector with a lit cigarette and vehicle exhaust, showing value changes.

8. Specifications

- **Brand:** MOES
- **Model Number:** S01-CO-GY-MS-N
- **Power Source:** Battery Powered (Built-in 1000 mAh)
- **Color:** Grey
- **Product Dimensions:** 1.2"D x 2.7"W x 2.9"H (75mm x 69mm x 30mm)
- **Item Weight:** 2.4 ounces (0.15 Pounds)
- **Alarm:** Audible
- **Operating Humidity:** 0% - 95% RH
- **Operating Temperature:** -10°C to 50°C (14°F to 122°F)
- **CO Range:** 0-1000 ppm
- **Sensor Type:** Catalytic Combustion Sensor
- **Material:** Plastic



Image: Detailed dimensions of the MOES Portable Carbon Monoxide Detector.

9. Safety Information

- This device is intended to detect carbon monoxide gas. It is not designed to detect smoke, fire, or other gases.
- Do not block the detection ports.
- Do not paint the device. Paint can clog the openings and interfere with the sensor.
- Do not expose the device to direct water spray or extreme temperatures.
- Regularly test the detector to ensure proper function.
- In case of an alarm, immediately move to fresh air and call emergency services.

10. Warranty and Support

MOES products typically come with a standard manufacturer's warranty. For specific warranty details, technical support,

or service inquiries, please refer to the warranty card included in your product packaging or visit the official MOES website. You can also contact MOES customer service through the platform where you purchased the product.
MOES Store Link: Visit the MOES Store on Amazon

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