

HAKINAKU D6

HAKINAKU D6 Portable Carbon Monoxide Detector User Manual

Model: D6 | Brand: HAKINAKU

1. INTRODUCTION

Thank you for choosing the HAKINAKU D6 Portable Carbon Monoxide Detector. This device is designed to provide real-time monitoring of carbon monoxide (CO) levels, temperature, and air humidity, ensuring a safer environment for both indoor and outdoor activities. Please read this manual thoroughly before use to ensure proper operation and safety.

2. PRODUCT OVERVIEW

The HAKINAKU D6 is a compact, 3-in-1 portable detector featuring a 1.9-inch HD color LCD display. It utilizes an NDIR (Non-Dispersive Infrared) working method for accurate CO detection and provides real-time data refresh every 2 seconds.

- **Mini Design:** Dimensions of 3.3 x 2.0 x 0.66 inches, making it convenient for portability and hanging.
- **3-in-1 Functionality:** Monitors Carbon Monoxide (CO), Temperature, and Air Humidity.
- **NDIR Sensor:** Ensures accurate and real-time CO detection.
- **Large Capacity Battery:** Built-in 1000mAh rechargeable lithium battery provides approximately 50 hours of continuous operation on a full charge.
- **Type-C USB:** For convenient charging.

3in1 POTABLE DESIGN

CO | Temperature | Humidity



Figure 1: Portable design of the HAKINAKU D6 detector.



Figure 2: 3D porous air duct design for sensitive detection.

1.9 "ULTRA-HIGH DEFINITION COLOR DISPLAY

Read at a glance

IPS

Ultra wide perspective

240*280

Resolving power

HD Display

Fashion color screen

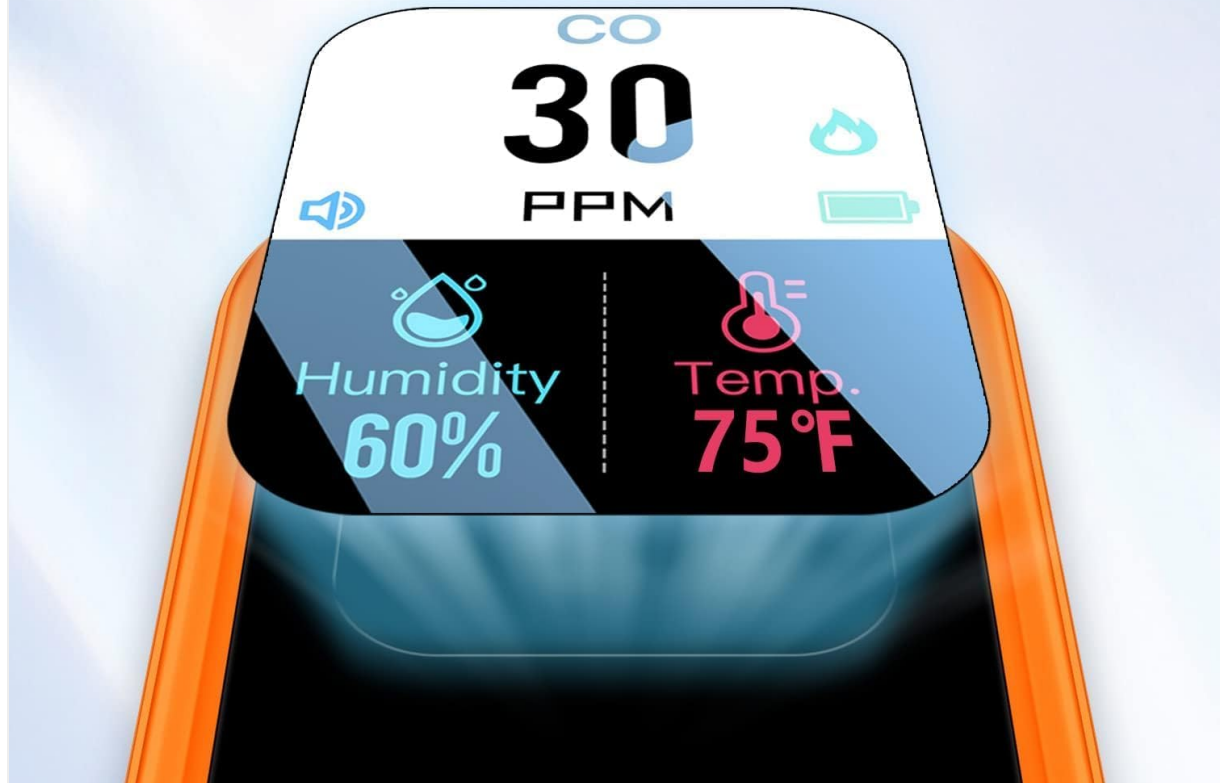



Figure 3: Ultra-high definition color display.

3. SAFETY INFORMATION

Carbon monoxide (CO) is a colorless, odorless, and tasteless gas that can be fatal. This detector is designed to alert you to the presence of CO, but it is not a substitute for proper ventilation and maintenance of fuel-burning appliances. Always follow local safety guidelines and regulations.

- **Placement:** Position the detector where CO is most likely to be present, such as near fuel-burning appliances or in sleeping areas. For portable use, keep it within your breathing zone.
- **Alarm Response:** If the alarm sounds, immediately move to fresh air, call emergency services, and do not re-enter the area until it has been deemed safe by professionals.
- **Limitations:** This device is not designed to detect smoke, fire, or other gases.

4. SETUP

1. **Initial Charge:** Before first use, fully charge the device using the provided Type-C USB cable. Connect the cable to the detector's Type-C port and a standard USB power adapter (not included). The charging indicator will show progress.
2. **Power On:** Press and hold the power button (usually marked with a  symbol) for a few seconds until the

display illuminates.

3. **Self-Test:** The device will perform a brief self-test upon startup. Ensure no error messages are displayed.

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Video 1: Portable CO detector product operating instructions. This video demonstrates basic operation and setup for a portable CO detector.

5. OPERATING INSTRUCTIONS

Once powered on, the device will continuously monitor the environment and display readings on the screen.

- **CO Display:** The main display shows the current CO concentration in PPM (Parts Per Million). The range is 0 to 1000 PPM.
- **Temperature Display:** Shows the ambient temperature in Fahrenheit (°F). The range is -4 to 140 °F.
- **Humidity Display:** Shows the relative air humidity in %RH. The range is 0% to 95%RH.
- **Alarm Thresholds:** The device features a cycle alarm that activates when CO levels exceed 50 PPM. Refer to the display for visual indicators of CO levels (e.g., 0-50 PPM: Security, 51-100 PPM: Cycle Alarm, 101-200 PPM: Cycle Alarm, >201 PPM: Cycle Alarm).
- **Power Off:** Press and hold the power button again to turn off the device.



Figure 4: Real-time detection and alarm level indicators.

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Video 2: How to use LSENLY CO detector (LE09). This video provides a detailed guide on operating a similar portable CO detector.

6. CHARGING

The HAKINAKU D6 detector is equipped with a built-in 1000mAh rechargeable lithium battery. When the battery is low, an indicator will appear on the display, and an audible alarm may sound.

- **Charging Port:** Use the Type-C USB port located on the device.
- **Charging Time:** A full charge allows for approximately 50 hours of continuous working time.
- **Charging Indicator:** The display will show a charging icon or progress.



Figure 5: Battery and charging interface.

7. MAINTENANCE

Proper maintenance ensures the longevity and accuracy of your detector.

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use abrasive cleaners, solvents, or immerse the device in water.

- **Avoid Obstructions:** Ensure the air inlets and outlets are not blocked by dust or debris.
- **Storage:** Store the detector in a cool, dry place away from direct sunlight and extreme temperatures when not in use.
- **Sensor Life:** Electrochemical sensors have a limited lifespan. While not specified, regular testing and replacement according to manufacturer recommendations (if available) are advised.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Low battery or device is off.	Charge the device fully. Press and hold the power button to turn on.
Alarm sounds frequently without apparent CO source.	High CO levels, sensor malfunction, or interference.	Evacuate the area immediately. If false alarm suspected, move to fresh air and re-test. If problem persists, contact support.
Inaccurate temperature/humidity readings.	Sensor obstruction or extreme environmental conditions.	Ensure sensors are clear. Allow device to acclimate to stable conditions.
Short battery life.	Battery degradation or continuous use in high-alert conditions.	Ensure full charge before use. Battery life can vary with usage patterns.

9. SPECIFICATIONS

Feature	Detail
Brand	HAKINAKU
Model Number	D6
Product Dimensions	1.7D x 5.1W x 8.4H Centimetres
Power Source	Battery Powered (1000mAh Lithium)
CO Detection Range	0 to 1000 PPM
Humidity Range	0% to 95% RH
Temperature Range	-4 to 140 °F (-20 to 60 °C)
Sensor Type	Electrochemical (NDIR for CO)
Alarm Type	Audible, Visual (on display)
Display	1.9-inch HD Color LCD
Manufacturer	Shenzhen Huidu Technology Co., Ltd.
UPC	768415144572

10. WARRANTY AND SUPPORT

This HAKINAKU D6 Carbon Monoxide Detector comes with a **1-year manufacturer's warranty**.

For technical support, warranty claims, or any questions regarding the product, please contact the manufacturer or your retailer. Keep your purchase receipt as proof of purchase for warranty services.