HAKINAKU HD11

HAKINAKU 5-in-1 Plug-in Smoke & Carbon Monoxide Detector

Model: HD11

1. INTRODUCTION

This manual provides essential information for the safe and effective operation of your HAKINAKU 5-in-1 Plug-in Smoke & Carbon Monoxide Detector. This device integrates sensors for carbon monoxide (CO), smoke, combustible gas, temperature, and humidity, offering real-time environmental gas-safety monitoring.

2. PRODUCT FEATURES

- **5-in-1 Detection:** Integrated sensors for carbon monoxide, smoke, combustible gases (natural gas, propane, methane, coal gas, gasoline, Hexane, butane, benzene, ethylene oxide, acetylene, LPG, LNG, etc.), temperature, and humidity.

- **Plug-in & Portable Design:** US standard plug compatible with 110V to 220V AC outlets. Features a built-in 2000 mAh rechargeable lithium battery providing 18-20 hours of operation during power outages, allowing for portable use in hotels, during travel, or in areas without constant power.

- **2.1" HD Screen:** Displays real-time data dynamically, including CO ppm, smoke indicating bar, combustible gas warning icon, humidity, temperature, CO indicator icon, plug, and alarm status.

- **Audible & Visual Alarms:** 85 dB audible alarm and blinking icons for clear alerts.

- **Sensitive Detection:** Built-in independent Smoke / CO / Combustible gas sensors for accurate environmental monitoring.

3. SETUP AND INSTALLATION

3.1 Initial Setup

1. **Unpacking:** Carefully remove the detector from its packaging.

2. **Power On:** Press and hold the power button (usually the central button) for a few seconds to turn on the device. The screen will display a countdown as it calibrates and begins monitoring.

3. **Charging:** For initial use, plug the detector into a standard 110V-220V AC outlet. The built-in 2000 mAh lithium battery will charge, providing backup power for portable use.

3.2 Placement Recommendations

Proper placement is crucial for effective detection. Consider the following:

- **General:** Place the detector in areas where gas leaks or smoke are most likely to occur, such as kitchens, near heating appliances, or sleeping areas.

- **Height:** For optimal smoke and CO detection, place the unit at a height where it can effectively monitor the air. For combustible gases, which are often heavier than air, consider placing it closer to the floor.

- **Avoid Obstructions:** Ensure the detector is not blocked by furniture, curtains, or other objects that could impede air circulation to the sensors.

- **Magnetic Mounting:** The detector features a magnetic attachment for easy placement on metallic surfaces like refrigerators. To use, press the button on the back to detach the plug, then attach the magnetic base to a suitable surface.

Figure 1: The HAKINAKU 5-in-1 detector is suitable for various locations including homes, hotels, and during travel.

Figure 2: The detector features a 2000mAh high battery capacity for long-lasting endurance and portability.

4. OPERATING INSTRUCTIONS

4.1 Display Overview

The 2.1" HD screen provides a clear, dynamic display of all monitored data:

- **CO PPM:** Carbon Monoxide concentration in parts per million.
- **GAS Icon:** Indicates combustible gas status.
- **SMOKE Icon:** Indicates smoke detection status.
- **Temperature:** Current ambient temperature (switchable between Fahrenheit and Celsius).
- **Humidity:** Current ambient humidity percentage.
- **Battery Indicator:** Shows current battery level and charging status.
- **Alarm Status:** Visual indicators for active alarms.

Figure 3: The high-definition color screen displays all critical environmental data clearly.

4.2 Alarm Functions

The detector provides distinct alarms for different threats:

- **Carbon Monoxide (CO):**

  - 0-50 ppm: No alarm, CO icon is green.
  - 51-200 ppm: Audible alarm every 3 minutes, CO icon turns yellow and blinks.
  - 201-999 ppm: Continuous audible alarms, CO icon turns red and blinks.

- **Combustible Gas:**

  - No gas: No alarm, gas icon is green.
  - Low concentrations: Audible alarm every 3 minutes, gas icon turns yellow and blinks.
  - Medium concentrations: Audible alarm every 3 minutes, gas icon turns orange and blinks.
  - High concentrations: Continuous audible alarms, gas icon turns red and blinks.

- **Smoke:**

  - No smoke: No alarm, smoke icon is green.
  - Smoke detected: Continuous audible alarms, smoke icon turns red and blinks.

Figure 4: The detector provides both sound and light alarms to indicate danger.

4.3 Button Functions

- **Power Button (Central):** Press and hold to power on/off. A short press may cycle through display modes or initiate a self-test.

- **Light Button (Left):** Adjusts screen brightness or turns the screen on/off.

- **Sound Button (Right):** Adjusts alarm volume or mutes the alarm.

5. MAINTENANCE

- **Regular Testing:** It is recommended to test the alarm function regularly (e.g., monthly) by pressing the test button.

- **Cleaning:** Keep the detector clean and free from dust. Gently wipe the exterior with a soft, dry cloth. Do not use cleaning agents or solvents.

- **Battery Life:** The built-in lithium battery is rechargeable. Ensure it is charged periodically to maintain backup power functionality.

6. SPECIFICATIONS

Feature	Detail
Brand	HAKINAKU
Model Number	HD11
Power Source	AC (Plug-in)
Battery	1 Lithium Ion battery (included), 2000 mAh
Item Weight	6.4 ounces (0.4 Pounds)
Product Dimensions	2.7 x 1.1 x 4.6 inches
Color	White [CO+SMOKE+GAS]
Alarm Sound Level	85 dB
Usage	Hotel, Travel, Indoor

7. WARRANTY AND SUPPORT

The HAKINAKU 5-in-1 detector comes with a **5-Year Free Exchange with Any Quality Issues** warranty. For support or warranty claims, please refer to the contact information provided with your product packaging or visit the official HAKINAKU store on Amazon.

8. IMPORTANT SAFETY INFORMATION

- This device is designed to detect the presence of carbon monoxide, smoke, and combustible gases. It is not a substitute for proper ventilation or maintenance of fuel-burning appliances.
- Never ignore an alarm. Investigate the cause immediately.
- Do not paint the detector. Paint may clog the openings and interfere with proper operation.
- Keep out of reach of children.

9. PRODUCT VIDEO

Your browser does not support the video tag.

Video 1: Overview of the HD11-CGS CO, Smoke, and Gas Detector Combination by CWQ-US (Seller).