

Gedsffati HD05

Gedsffati HD05 Combustible Gas Detector User Manual

1. INTRODUCTION

The Gedsffati HD05 is a versatile combustible gas detector designed for home use. It continuously monitors for leaks of various combustible gases, including natural gas, liquefied petroleum gas (LPG), methane (CH₄), ethane (C₂H₆), propane (C₃H₈), and butane (C₄H₁₀). Equipped with high-precision sensors, a clear LCD screen, and an audible alarm, it provides real-time detection and enhances household safety. This device also features integrated temperature and humidity sensors for additional environmental monitoring. The HD05 operates by plugging into a standard AC power outlet and includes a rechargeable battery for continuous operation. Its compact design and intuitive interface make it an essential tool for preventing potential gas-related hazards.

2. SETUP AND INSTALLATION

2.1 Unboxing and Initial Inspection

Upon opening the package, ensure all components are present:

- Gedsffati HD05 Gas Detector x1
- User Manual x1

Inspect the device for any visible damage before proceeding with installation.

2.2 Power Connection

The Gedsffati HD05 is designed for plug-in operation. Simply connect the device to a standard AC 100-240V/50-60Hz power outlet. The device will begin functioning immediately upon connection.

COMBUSTIBLE GAS DETECTOR

Real time monitoring of combustible gas concentration

high precision sensors

High definition colorful large screen

Audible and visual alarm

Fault self check

Plug and play

NEW



Image: The Gedsfati HD05 Gas Detector plugged into a wall outlet, showing its display with gas concentration bars, temperature, and humidity readings.

2.3 Preheating Phase

After plugging in, the device enters a preheating phase. During this time, the sensors stabilize. The device will indicate when it is ready for normal operation. No action is required during preheating.

2.4 Optimal Installation Position

The installation position is crucial for accurate gas detection, as different gases have different densities relative to air.

- **For Natural Gas (Methane - CH₄):** Methane is lighter than air. Install the detector 12-20 inches (approximately 30-50 cm) from the ceiling.
- **For LPG (Propane - C₃H₈, Butane - C₄H₁₀):** LPG is heavier than air. Install the detector 12-20 inches (approximately 30-50 cm) from the floor.

Ensure the device is placed in an area where gas leaks are most likely to occur, such as near gas appliances (stoves, water heaters) or gas lines. Avoid placing it directly above heat sources, in direct sunlight, or in areas with high humidity or strong air currents.

Video: General installation instructions for a gas detector, demonstrating how to mount it on a wall using screws and connect power. (Source: WideReach)

3. OPERATING INSTRUCTIONS

3.1 Display Overview

The device features a 2.1-inch high-resolution color LCD screen that displays real-time measurements for gas concentration, temperature, and air humidity. It also shows battery status and alarm indicators.



Image: A detailed view of the Gedsffati HD05's color LCD screen, highlighting its ability to display multiple environmental parameters simultaneously.

3.2 Button Functions

The device has three main buttons: H, O, and D.

- **H Button:** Short press to adjust screen brightness.
- **O Button:** Short press to perform a self-test. Long press to change the temperature unit (Celsius/Fahrenheit).
- **D Button:** Short press to activate or deactivate the audible alarm (buzzer).

Real time monitoring of combustible gas concentration
Highly sensitive gas detection

COMBUSTIBLE GAS DETECTOR



Audible and
visual alarm

Image: The device illustrating its intelligent power indicator light. A green light indicates normal operation, while a red light signals a mute error or sensor malfunction. The 'O' button is shown for self-testing.

3.3 Alarm Functions

The device provides both audible and visual alarms based on combustible gas concentration:

- **No Combustible Gas:** No audible alarm, green gas icon flashes.
- **Low Concentration:** Device emits an audible alarm every 3 minutes, yellow gas icon flashes.
- **Medium Concentration:** Device emits an audible alarm every 3 minutes, orange gas icon flashes.
- **High Concentration:** Device emits a continuous audible alarm, red gas icon flashes.

INTELLIGENT POWER INDICATOR LIGHT

Self testing fault is clear at a glance



Green light (screen off and indicator light on)

Indicating normal operation and monitoring of combustible gas concentration.



Red light (alarm)

There is a mute error or sensor malfunction.

Short press to self test



Image: The Gedsffati HD05 in an alarm state, showing visual indicators and sound waves, signifying a gas leak detection.

Video: Demonstration of a plug-in gas detector's alarm functionality and display features. (Source: Moes House)

3.4 Screen Rotation

The device supports screen rotation for flexible installation. If the device is plugged into an outlet that requires it to be oriented differently, the screen display can be rotated to maintain readability.

4. MAINTENANCE

The Gedsffati HD05 is designed for high performance and a long lifespan of approximately 5 years for its sensors. Minimal maintenance is required to ensure optimal operation:

- **Cleaning:** Regularly wipe the device with a soft, dry cloth to remove dust. Do not use abrasive cleaners or solvents.
- **Self-Test:** Perform the self-test function (short press 'O' button) periodically to confirm the device is functioning correctly.
- **Avoid Obstructions:** Ensure the gas inlet vents are not obstructed by furniture, curtains, or other objects.

5. TROUBLESHOOTING

If you encounter issues with your Gedsffati HD05, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Device does not power on	No power from outlet; device malfunction	Check power outlet with another appliance. Ensure the device is properly plugged in. If issues persist, contact support.
Alarm sounds frequently without gas presence	False alarm due to strong odors (e.g., cleaning products, aerosols); sensor sensitivity	Ventilate the area. Relocate the detector away from sources of strong odors. Perform a self-test.
Display is blank or unreadable	Low brightness; device malfunction	Short press the 'H' button to adjust brightness. If the screen remains blank, contact support.
Self-test fails or red light indicates error	Sensor malfunction; internal error	Unplug and re-plug the device. If the error persists, contact support.

Video: A demonstration on how to test if a gas detector is working correctly. (Source: WideReach)

6. SPECIFICATIONS

Feature	Detail
Model Number	HD05
Detectable Combustible Gases	Natural gas, LPG, Methane (CH4), Ethane (C2H6), Propane (C3H8), Butane (C4H10), etc.
Temperature Measurement Range	-10°C to 50°C / 14°F to 122°F (±3%)
Air Humidity Measurement Range	5% - 95% RH (±5%)
Sensor Detection Frequency	Once every 2 seconds
Power Supply	AC 100-240V/50-60Hz
Working Voltage and Current	5V/1A
Working Environment	-10°C to 60°C / 14°F to 140°F, 20% to 80% RH
Product Dimensions	85 x 51 x 33 mm
Product Weight	60 g
Material	ABS Plastic
Battery	1 Lithium Polymer battery (included)

Feature	Detail
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7. WARRANTY INFORMATION

Specific warranty details for the Gedsffati HD05 Combustible Gas Detector are not provided in the product information. Please refer to your purchase documentation or contact the retailer for warranty terms and conditions.

8. CUSTOMER SUPPORT

For technical assistance, troubleshooting, or any inquiries regarding your Gedsffati HD05 Combustible Gas Detector, please contact the seller or manufacturer through the platform where the product was purchased. Contact information for direct support is not available in the provided product details.