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## KOABBIT WA886

# KOABBIT WA886 Gas Detector & Alarm User Manual

Model: WA886

## INTRODUCTION

This manual provides essential information for the safe and effective use of your KOABBIT WA886 Gas Detector & Alarm. Please read these instructions thoroughly before installation and operation to ensure proper function and safety.

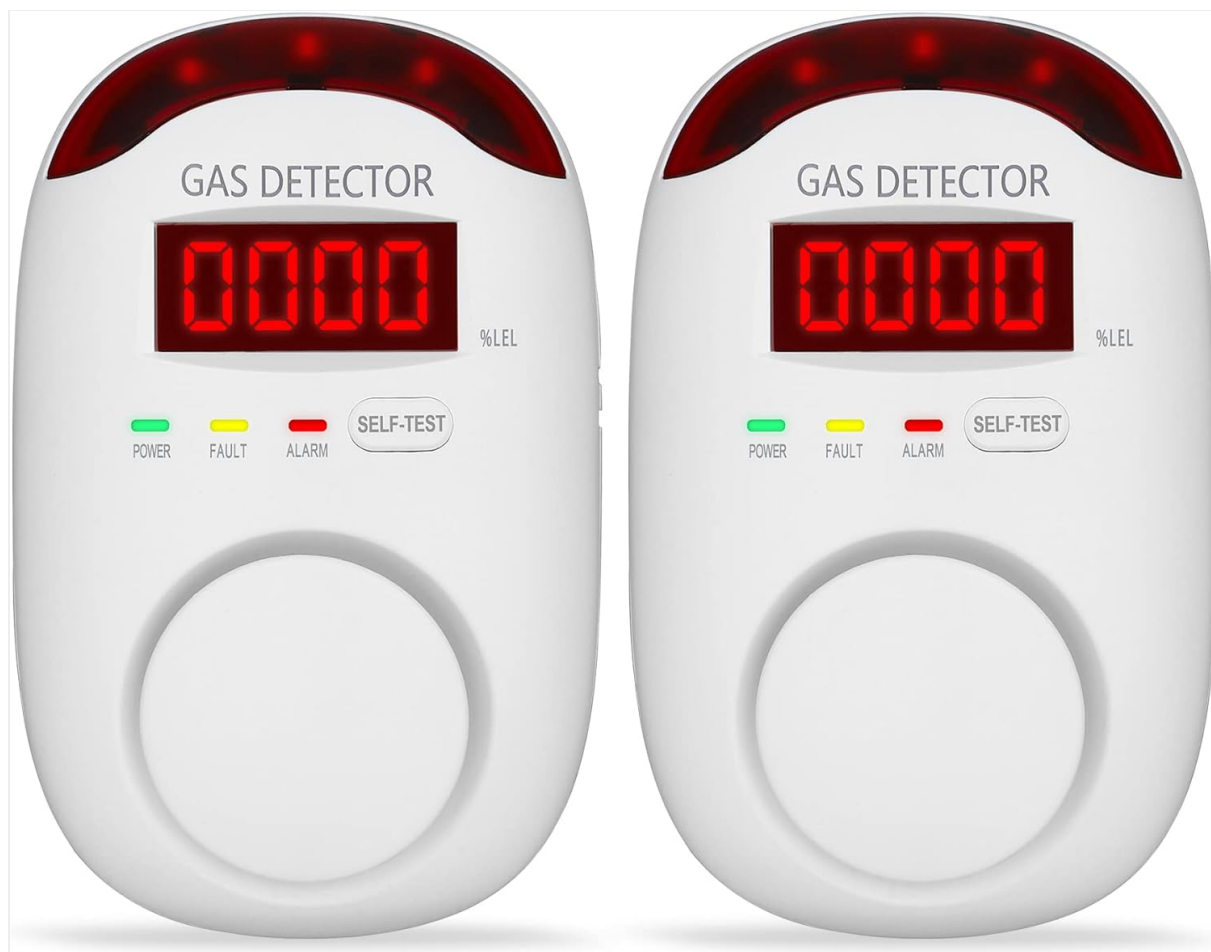


Image: Two KOABBIT WA886 Gas Detectors, illustrating the front view with digital displays and indicator lights for power, fault, and alarm.

## PRODUCT OVERVIEW AND FEATURES

The KOABBIT WA886 is a plug-in combustible gas detector designed for home, RV, and kitchen environments. It provides early warning of gas leaks to enhance safety.

- **Plug-and-Play Design:** Easy installation without complex wiring.
- **High Accuracy Sensor:** Utilizes an imported catalytic combustion sensor for sensitive and reliable gas detection.
- **Audible Alarm:** Emits an 85dB alarm when combustible gas concentration reaches a preset level.
- **Digital Display:** Shows the real-time gas concentration level.
- **Test/Reset Button:** Allows for manual testing of the alarm function and resetting.
- **Wide Gas Detection:** Suitable for detecting natural gas, propane, methane, butane, LNG, and LPG.



Image: A KOABBIT Gas Detector in a kitchen setting, with overlaid icons and text describing its key features such as high reliability catalytic combustion sensor, digital display, 85dB voice alarm, test/reset button, alarm indicator, and easy installation.

## SAFETY INFORMATION

- Do not install the detector in areas with high humidity, excessive dust, or near ventilation openings that could interfere with gas detection.
- Avoid placing the detector in direct sunlight or near heat sources.

- Regularly test the detector using the self-test button to ensure proper functionality.
- In case of an alarm, immediately ventilate the area, turn off gas sources, and contact emergency services if necessary.
- This device is designed to detect combustible gases. It does not detect carbon monoxide or smoke.

## PRODUCT COMPONENTS

Familiarize yourself with the different parts of your gas detector:



- |               |  |
|---------------|--|
| ① Light Alarm | ⑦ Alarm Voice                                  |
| ② Display     | ⑥ Test & Reset Button                          |
| ③ Power Light | ⑧ The Plug Can Rotate Freely Install or Remove |
| ④ Fault Light |  |
| ⑤ Alarm Light | ⑨ Air Inlet                                    |

Image: Detailed diagram of the KOABBIT WA886 Gas Detector, labeling its various components for easy identification and understanding.

1. **Light Alarm:** Visual indicator for alarm status.
2. **Display:** Digital screen showing gas concentration (0-100% LEL).
3. **Power Light:** Green indicator when the device is powered on.
4. **Fault Light:** Yellow indicator for system malfunctions.
5. **Alarm Light:** Red indicator when a gas leak is detected.
6. **Test & Reset Button:** Used to manually test the alarm and clear fault conditions.
7. **Alarm Voice:** Speaker for audible alarm.
8. **Rotatable Plug:** Allows for flexible installation in various outlets.

9. **Air Inlet:** Where ambient air is drawn in for gas detection.

## APPLICATIONS

The KOABBIT WA886 Gas Detector is suitable for various environments where combustible gases may be present, including:

- Kitchens with gas stoves or ovens.
- Utility rooms with gas water heaters or furnaces.
- Near outdoor gas grills or propane tanks (ensure proper indoor placement).
- RV interiors.
- Apartments, hotels, and restaurants.



Image: A collage illustrating the wide range of applications for the KOABBIT Gas Detector, including residential kitchens, utility areas with gas appliances, and outdoor grilling setups.

## SETUP AND INSTALLATION

The KOABBIT WA886 Gas Detector is designed for simple plug-in installation.

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

## 2. Choose Location:

- For natural gas (lighter than air): Install 12 inches (30 cm) below the ceiling, within 10 feet (3 meters) of the gas source.
- For LPG/Propane (heavier than air): Install 12 inches (30 cm) above the floor, within 10 feet (3 meters) of the gas source.
- Avoid corners, areas near windows/doors, or direct airflow from vents.

3. **Plug In:** Insert the detector into a standard AC 220V wall outlet. The plug is rotatable for convenience.

4. **Initial Warm-up:** Upon plugging in, the detector will undergo a warm-up period (approximately 2-3 minutes). During this time, the display may show a countdown or flashing indicators.

5. **Self-Test:** After warm-up, the detector will perform a self-test. The display should show "0000" and the green Power light should be steady.

**SAVES INSTALLATION TIME, ALLOWING YOU MORE TIME TO ENJOY LIFE**



Image: A KOABBIT Gas Detector plugged into a wall outlet, positioned near a gas source, demonstrating its quick response capability to a gas leak.

## OPERATION

### Normal Operation

Once installed and powered on, the green Power light will be illuminated, and the digital display will show "0000" %LEL, indicating no detectable gas concentration. The detector is continuously monitoring the air.

## Alarm Conditions

When the concentration of combustible gas in the air reaches a preset alarm level (e.g., 7% LEL), the detector will activate its alarm:

- The red Alarm light will flash.
- The digital display will show the detected gas concentration.
- An audible alarm (85dB) will sound.



Image: A KOABBIT Gas Detector plugged into a wall, with visual representations of various combustible gas concentrations (0% LEL, 7% LEL, 20% LEL) and how they trigger the alarm.

## What to do during an Alarm:

1. **Stay Calm:** Do not panic.
2. **Ventilate:** Open windows and doors to air out the area.
3. **Turn Off Gas:** If safe to do so, turn off the main gas supply valve.
4. **Evacuate:** If the alarm persists or the gas smell is strong, evacuate the premises immediately and call emergency services from a safe location.

5. **Do Not:** Operate electrical switches, light matches, or use phones inside the affected area.

## Self-Test Function

Press and hold the "SELF-TEST" button (6) for a few seconds. The detector will initiate a test sequence, activating the alarm sound and flashing lights. This confirms the sensor and alarm system are functioning correctly.

## MAINTENANCE

- **Regular Cleaning:** Gently wipe the exterior of the detector with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Avoid Obstruction:** Ensure the air inlet (9) is free from dust, debris, or obstructions.
- **Monthly Test:** Perform a self-test using the "SELF-TEST" button at least once a month to verify proper operation.
- **Do Not Paint:** Never paint the detector, as this can block the air inlets and interfere with sensor operation.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Detector does not power on.	No power from outlet; faulty outlet.	Check the power outlet with another device. Try a different outlet.
"FAIL" message on display or Fault Light (yellow) is on.	Sensor malfunction or internal error.	Unplug the detector, wait 30 seconds, and plug it back in. If the issue persists, contact customer support.
Alarm sounds without a detectable gas smell.	Small gas leak; interference from other substances (e.g., aerosols, strong cleaning agents); sensor sensitivity.	Ventilate the area thoroughly. Ensure no interfering substances are nearby. Perform a self-test. If false alarms are frequent, consider repositioning or contacting support.
Alarm does not sound during self-test.	Faulty alarm component; button not pressed correctly.	Ensure the "SELF-TEST" button is pressed firmly and held for a few seconds. If still no alarm, the unit may be faulty and requires replacement.

## SPECIFICATIONS

<b>Model Number</b>	WA886
<b>Power Source</b>	AC 220V
<b>Sensor Type</b>	Catalytic Combustion Sensor
<b>Detected Gases</b>	Natural Gas, Propane, Methane, Butane, LNG, LPG
<b>Alarm Concentration</b>	7% LEL (Lower Explosive Limit)

<b>Alarm Volume</b>	≥ 85dB
<b>Operating Humidity</b>	≤ 95% RH (non-condensing)
<b>Material</b>	ABS
<b>Item Weight</b>	7.4 ounces
<b>Dimensions</b>	Approximately 5.79 x 4.49 x 2.72 inches
<b>Mounting Type</b>	Plug-in

## WARRANTY AND SUPPORT

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Your KOABBIT WA886 Gas Detector & Alarm comes with a **2-year warranty** from the date of purchase. If you encounter any technical problems or require assistance, please contact KOABBIT customer support. Refer to your product packaging or the seller's information for specific contact details. For further information or to register your product, please visit the official KOABBIT website (if available, link not provided in data).