

AEGTEST AEG-1223

AEGTEST AEG-1223 Gas Leak Detector User Manual

Model: AEG-1223

1. INTRODUCTION

The AEGTEST AEG-1223 Gas Leak Detector is designed to identify the presence of combustible gases such as natural gas, propane, and methane. This device features visual and audible alarms, dual sensitivity modes, and a built-in flashlight to assist in locating potential leak sources in various environments, including homes and RVs. Please read this manual thoroughly before operating the device to ensure safe and effective use.

2. SAFETY INFORMATION

- This device is intended for detecting combustible gases. It is not a substitute for a professional gas leak inspection or a fixed gas detection system.
- Always ensure adequate ventilation when investigating a suspected gas leak.
- Do not use the detector in environments with extremely high gas concentrations, as this may pose an explosion risk.
- Keep the device away from water and extreme temperatures.
- Do not attempt to repair or modify the device. Refer to qualified personnel for service.
- Replace batteries promptly when the low battery indicator appears to ensure accurate readings.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- 1x AEGTEST AEG-1223 Gas Leak Detector

- 2x AAA Batteries
- 1x User Manual



AEG test.

AEG-1233



What You Get

AEG-1233 x1 User Manual x1 Battery x2

Image: Contents of the AEGTEST AEG-1233 Gas Leak Detector package, including the detector, user manual, and two AAA batteries.

4. PRODUCT OVERVIEW

The AEG-1233 detector is a handheld device designed for ease of use and portability. It features an LCD display, control buttons, a gas sensor, and a built-in flashlight.



Image: The AEGTEST AEG-1223 Gas Leak Detector shown alongside two AAA batteries, highlighting its compact design and main controls.

Key Features:

- **LCD Display:** Shows gas concentration levels and status indicators.
- **Gas Sensor:** Located at the tip for detecting combustible gases.
- **Power Button:** To turn the device on or off.
- **Sensitivity Button:** To switch between high and low sensitivity modes.
- **Flashlight Button:** To activate the built-in LED light.
- **Pocket Clip:** For convenient carrying.



Image: An overview of the detector's key features, including LCD display, 0.5s fast response, low battery indicator, automatic shut-down, high/low sensitivity, and visual & audible alarms.

5. SETUP

Battery Installation:

1. Locate the battery compartment cover on the back of the device.
2. Slide or open the cover.
3. Insert two AAA batteries, ensuring correct polarity (+/-) as indicated inside the compartment.
4. Close the battery compartment cover securely.

6. OPERATION

Power On/Off:

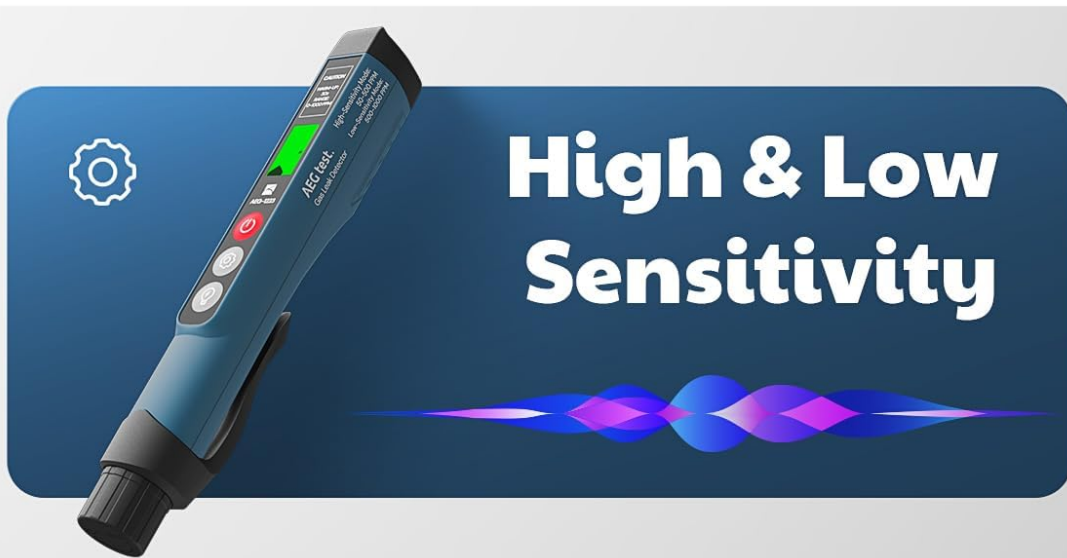
- To turn on: Press and hold the **Power Button** until the device powers on. The device will enter a 30-second warm-up period, indicated on the LCD.
- To turn off: Press and hold the **Power Button** until the device powers off. The device also features an auto-shutdown function after 5 minutes of inactivity to conserve battery life.

Sensitivity Modes:

The AEG-1223 offers two sensitivity modes for varied detection needs:

- **High Sensitivity Mode:** Detects gas concentrations from 50-500 ppm. Ideal for pinpointing small leaks.
- **Low Sensitivity Mode:** Detects gas concentrations from 500-1000 ppm. Suitable for general area scanning.

Press the **Sensitivity Button** to toggle between High and Low sensitivity modes. The selected mode will be displayed on the LCD.



Low Sensitivity Mode
500 - 1,000 ppm

High Sensitivity Mode
50 - 500 ppm

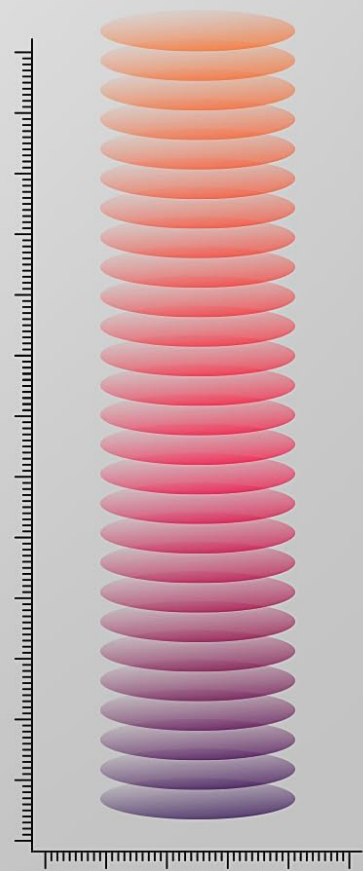


Image: Diagram illustrating the detection ranges for High Sensitivity Mode (50-500 ppm) and Low Sensitivity Mode (500-1000 ppm).

Gas Detection Process:

1. After warm-up, hold the detector with the sensor tip near the area where a gas leak is suspected.
2. Move the detector slowly along pipes, connections, or appliances.
3. Observe the LCD display and listen for audible alarms. The alarm intensity and visual indicators will increase as the gas concentration rises.
4. Use the built-in flashlight by pressing the **Flashlight Button** to illuminate dark or confined spaces.

10+ Gases

Detect Natural Gas, Propane, Methane,
Gasoline, LPG, and More

0.5s Fast Response



***Detection Distance: 0.4–2.0 inch**

Image: The AEGTEST AEG-1223 Gas Leak Detector being used to check for leaks around a gas stove burner, demonstrating its fast response time.



Built-in Light

Shine a Light on Hidden Dangers

Image: The AEGTEST AEG-1223 Gas Leak Detector's built-in LED flashlight illuminating a pipe connection, aiding in detection in low-light conditions.

7. ALARMS AND INDICATORS

The AEG-1223 provides clear indications of gas presence:

- **Visual Alarm:** The LCD screen displays 6 concentration bars. As gas levels increase, more bars will light up, and the screen will turn red at high concentrations.
- **Audible Alarm:** An 85 dB alarm will sound, with the frequency and intensity increasing as the gas concentration rises.
- **Low Battery Warning:** An indicator on the LCD will alert you when batteries need replacement.

Visual & Audible Alerts

6 Bar

Concentration
Indicators

85 dB

Alarm



Image: A graphic representation of the detector's visual (6 concentration bars) and audible (85 dB) alarm system, indicating increasing gas levels.

8. MAINTENANCE

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Battery Replacement:** Replace both AAA batteries when the low battery indicator appears. Ensure proper disposal of old batteries.
- **Storage:** Store the detector in a cool, dry place away from direct sunlight and corrosive substances when not in use for extended periods.

9. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not turn on.	Dead or incorrectly installed batteries.	Check battery polarity. Replace with new AAA batteries.
No alarm when gas is present.	Sensor blocked or damaged; gas concentration too low for selected sensitivity.	Ensure sensor tip is clear. Switch to High Sensitivity mode. If problem persists, contact support.
False alarms.	Interference from other volatile organic compounds (VOCs) or strong odors.	Move to a well-ventilated area. Ensure no other strong odors are present.
Device shuts off unexpectedly.	Low battery; auto-shutdown activated.	Replace batteries. Device will auto-shutdown after 5 minutes of inactivity.

10. SPECIFICATIONS

- **Model:** AEG-1223
- **Detection Range (High Sensitivity):** 50-500 ppm
- **Detection Range (Low Sensitivity):** 500-1000 ppm
- **Response Time:** < 0.5 seconds
- **Warm-up Time:** 30 seconds
- **Alarm:** Visual (LCD bars, red screen) & Audible (85 dB)
- **Power Source:** 2 x AAA Batteries (included)
- **Auto-shutdown:** After 5 minutes of inactivity
- **Item Weight:** 2.29 ounces
- **Package Dimensions:** 8.27 x 2.99 x 1.54 inches
- **Operating Temperature:** (Not specified in provided data, typical range is 0-50°C)
- **Gases Detected:** Natural Gas, Propane, Methane, Gasoline, LPG, etc.

11. WARRANTY AND SUPPORT

AEGTEST provides a **36-Month after-sale service** for the AEG-1223 Gas Leak Detector. For technical support, warranty claims, or any inquiries, please refer to the contact information provided in your product packaging or visit the official AEGTEST website.

You can also find additional resources and support by scanning the QR codes below:



Support Link 1



Support Link 2



Support Link 3