

AEGTEST HOUND-1011

AEGTEST HOUND-1011 Portable Radon Detector User Manual

Model: HOUND-1011

1. INTRODUCTION

The AEGTEST HOUND-1011 is a portable radon detector designed for continuous monitoring of radon gas levels in various environments. This device provides accurate readings in both pCi/L and Bq/m³ units, offering both short-term and long-term monitoring capabilities. Understanding and mitigating radon exposure is crucial for health, as radon is a colorless, odorless, radioactive gas that can accumulate in homes and other buildings.



Image 1.1: An illustration defining radon as a radioactive gas and a leading cause of lung cancer.

Radon Can Be Closer Than You Think.

Radon can enter your home through soil, cracks in floors or walls, plumbing gaps, well water, or groundwater.



Image 1.2: A diagram illustrating common entry points for radon gas into a residential building.

2. PRODUCT OVERVIEW

2.1 Key Features

- **Portable Design:** Compact and lightweight for easy placement and travel.
- **High-Precision Sensor:** Equipped with a semiconductor sensor for accurate radon level detection.
- **Dual Measurement Units:** Displays readings in pCi/L or Bq/m³.
- **Continuous Monitoring:** Provides real-time data with hourly updates after initial 6-hour calibration.
- **Short-Term & Long-Term Data:** View radon concentration over 6 hours, 24 hours, 48 hours, 72 hours, 96 hours, and up to 504 days of stored data.
- **User-Friendly Interface:** LCD screen for clear data display and intuitive operation.
- **Long Battery Life:** Up to 45 days in sleep mode on a single charge, or continuous operation via Type-C cable.
- **Visual & Audible Alarms:** Alerts users to elevated radon levels.



Image 2.1: An infographic summarizing the main features of the HOUND-1011 radon detector.

2.2 Package Contents

- 1 × AEGTEST HOUND-1011 Portable Radon Detector
- 1 × USB Type-C Charging Cable

- 1 × Lanyard
- 1 × User Manual



Image 2.2: The HOUND-1011 radon detector shown with its included USB-C charging cable.

3. SETUP

The HOUND-1011 is designed for immediate use. Simply power on the device to begin monitoring. No complex setup or calibration is required before initial use.

3.1 Initial Power On

1. Press and hold the power button (usually located centrally on the front panel) until the LCD screen illuminates.
2. The device will initiate a self-check and begin the monitoring process.



Image 3.1: The HOUND-1011 device being held, illustrating its ease of use by simply powering it on.

3.2 Charging the Device

The HOUND-1011 includes a built-in rechargeable battery. For continuous long-term monitoring, it is recommended to keep the device connected to a power source using the provided USB Type-C cable.

- Connect the USB Type-C cable to the device's charging port.
- Connect the other end of the cable to a standard USB power adapter (not included) or a computer USB port.
- A full charge takes approximately 3.5 hours.
- The battery indicator on the LCD screen will show charging status.



Image 3.2: The HOUND-1011 connected to a USB-C charging cable, highlighting its long battery life.

No More Power Worries

24/7



At Home

Plug in for continuous long-term monitoring

45
DAYS



On the Go

Up to 45 days of battery life in sleep mode

Image 3.3: An infographic demonstrating the flexible power options for the HOUND-1011, suitable for both home and portable use.

4. OPERATING INSTRUCTIONS

4.1 Placement Guidelines

For optimal accuracy, place the HOUND-1011 in areas where radon levels are most likely to be present or where occupants spend significant time. Use the integrated stand for stable placement.

- **Recommended Locations:** Basements, ground-floor living areas, bedrooms, and other frequently occupied spaces.
- **Avoid:** Areas near windows, vents, fans, fireplaces, or in bathrooms with high humidity. Keep away from direct sunlight and heat sources.
- Ensure the device is placed at least 20 inches (50 cm) above the floor and 8 inches (20 cm) from walls.



Image 4.1: The HOUND-1011 detector shown in various typical monitoring locations such as a basement, bedroom, and hotel.

Compact & Portable

Perfect for Home, Office, or On the Go



Image 4.2: An infographic emphasizing the compact and portable nature of the HOUND-1011, suitable for diverse environments.

4.2 Reading Display and Units

The LCD screen displays current and historical radon levels. The first reliable reading will appear after 6 hours of continuous monitoring, with subsequent hourly updates.

- **Current Reading:** Displays the most recent radon concentration.
- **Average Values:** Shows average radon levels for the past 6 hours, 24 hours, 48 hours, 72 hours, and 96 hours.
- **Unit Switching:** Navigate through the menu to switch between pCi/L (picocuries per liter) and Bq/m³ (becquerels per cubic meter) units.



Image 4.3: An infographic detailing the quick and accurate measurement capabilities of the HOUND-1011.

4.3 Alarm Functionality

The HOUND-1011 features both visual and audible alarms to alert you to elevated radon levels. The alarm threshold can typically be adjusted in the device settings.

- When radon levels exceed the set threshold, the device will emit an audible alert and display a visual warning on the screen.
- To mute the audible alarm, access the "Eco" menu or refer to the on-screen prompts.

VISUAL & AUDIBLE ALARMS



Multiple protections for your peace of mind



Image 4.4: The HOUND-1011 display indicating an alarm condition due to elevated radon levels.

5. MONITORING AND DATA INTERPRETATION

The HOUND-1011 stores up to 504 days of historical data, allowing for comprehensive long-term analysis of radon trends.

5.1 Accessing Historical Data

- Use the navigation buttons to access the "History" or "View" menu on the device.

- You can review past readings in 6-hour intervals, providing a detailed log of radon concentration over time.

TRACK HISTORY WITH EASE

Exit Histroy View Delet		
0019/0028 pCi/L		
NO.	Time	6h VAL
0019	25-05-05 11:43	1.567
0020	25-05-05 17:43	1.242
0021	25-05-05 23:43	1.810
0022	25-05-05 05:43	1.702
0023	25-05-06 11:43	1.702
0024	25-05-06 17:43	1.810
0025	25-05-06 23:43	1.134
0026	25-05-07 05:43	0.675
0027	25-05-07 11:43	0.432
0028	25-05-07 17:43	0.432
S:25-04-30 MAX:2.945 E:25-05-07 23:43 MIN:0.432 AVG:1.756		



***Stores up to 504 days of data**

Image 5.1: The HOUND-1011 display showing a detailed history of radon measurements over time.

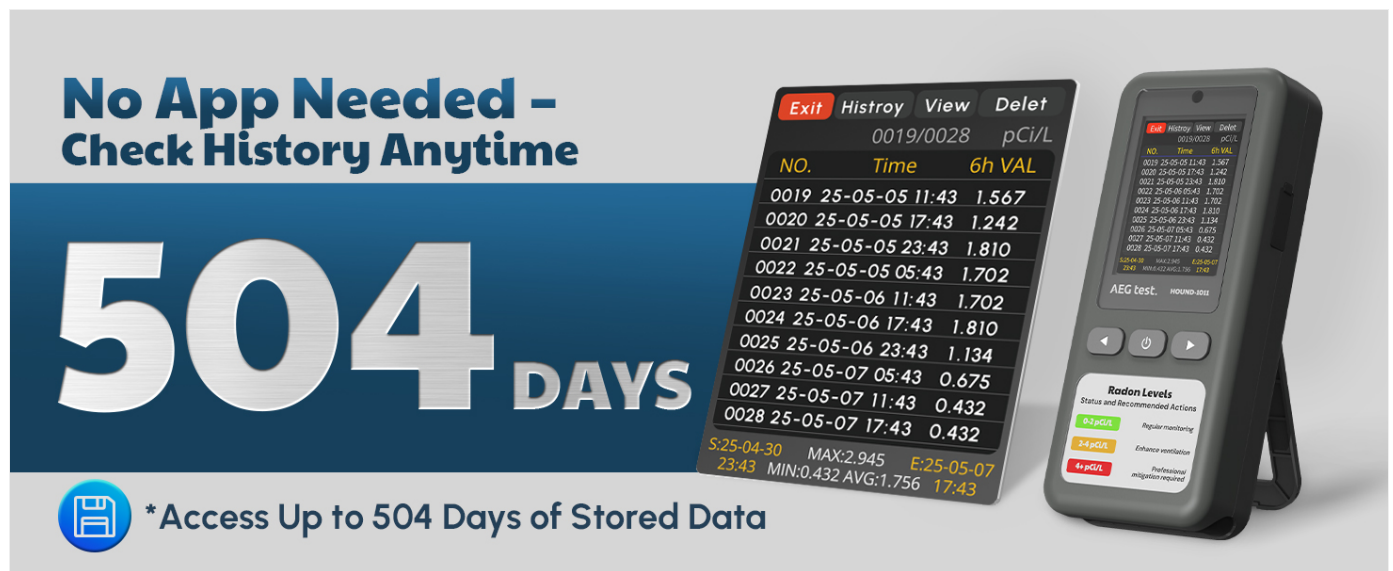


Image 5.2: An infographic highlighting the device's ability to store and display historical radon data directly.

5.2 Interpreting Radon Levels

Radon levels are typically measured in pCi/L (picocuries per liter) or Bq/m³ (becquerels per cubic meter). The Environmental Protection Agency (EPA) provides guidelines for interpreting these levels:

Radon Level Guidelines (EPA)

Radon Level	Recommended Action
0-2 pCi/L	Regular monitoring recommended.
2-4 pCi/L	Consider enhancing ventilation.
4+ pCi/L	Professional radon mitigation recommended.

It is important to note that radon levels can fluctuate daily and seasonally. Long-term monitoring provides a more accurate representation of average exposure.



HIGH SENSITIVITY & PRECISION SEMICONDUCTOR SENSOR

Protecting you from radon gas

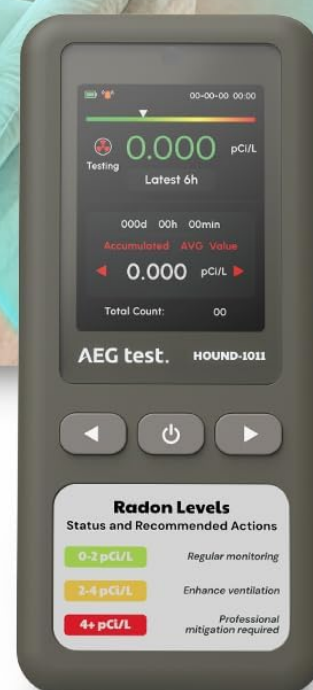
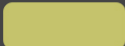


Image 5.3: The HOUND-1011 display alongside a guide for interpreting radon levels and recommended actions.

Is Your Area at Risk?

(According to EPA)

	Red	> 4 pCi/L
	Yellow	2~4 pCi/L
	Green	< 2 pCi/L

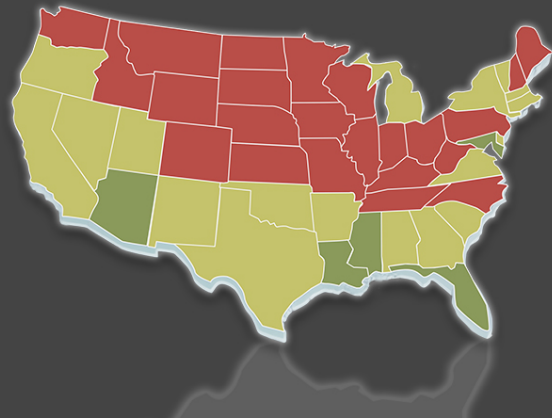


Image 5.4: A map illustrating radon risk levels across the United States according to EPA guidelines.

6. MAINTENANCE

6.1 Battery Care

- The internal Lithium Ion battery provides up to 45 days of operation in sleep mode.
- For continuous monitoring, keep the device connected to a power source via the USB Type-C cable.
- Recharge the device when the battery indicator shows low power.

6.2 Cleaning

- Wipe the device exterior with a soft, dry cloth.
- Do not use abrasive cleaners or solvents.
- Ensure no liquids enter the device openings.

6.3 Storage

- Store the device in a cool, dry place when not in use.
- Avoid extreme temperatures and high humidity.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Low battery or power issue.	Charge the device using the provided USB Type-C cable. Ensure the power source is functional.
No readings displayed after power on.	Initial calibration period.	The device requires approximately 6 hours to provide the first reliable reading. Continue monitoring.

Problem	Possible Cause	Solution
Readings seem inconsistent or too high/low compared to other tests.	Environmental factors, sensor contamination, or short monitoring period.	• Ensure proper placement away from drafts, windows, and high humidity. • Radon levels fluctuate; long-term monitoring (at least 48-72 hours, ideally longer) provides a more accurate average. • If exposed to very high radon concentrations, the sensor may require 24-48 hours to stabilize for reliable readings again.
Audible alarm is too loud or unwanted.	Alarm is active.	Access the "Eco" menu or device settings to mute the audible alarm.

8. SPECIFICATIONS

Feature	Detail
Model Number	HOUND-1011
Brand	AEGTEST
Measurement Range	0.09 to 1000 pCi/L
Measurement Units	pCi/L, Bq/m³
Sensor Type	High-precision semiconductor sensor
First Reading Time	Within 6 hours
Update Frequency	Hourly updates
Battery Type	1 Lithium Ion battery (included)
Battery Life (Sleep Mode)	Up to 45 days
Charging Port	USB Type-C
Item Weight	10.2 ounces (approx. 0.29 kg)
Package Dimensions	6.46 x 5.04 x 2.76 inches
Color	Grey

9. WARRANTY AND SUPPORT

AEGTEST offers a **three-year customer service warranty** and **lifetime technical support** for the HOUND-1011 Portable Radon Detector. For assistance, please contact AEGTEST customer service through their official channels or the retailer where the product was purchased.

For further information or support, please refer to the contact details provided in your product packaging or on the official AEGTEST website.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question