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X-Sense XR0B-SR

X-Sense Radon Detector (Model XR0B-SR) Instruction Manual

Your guide to accurate and continuous radon monitoring.

INTRODUCTION

The X-Sense Radon Detector (Model XR0B-SR) provides continuous monitoring of radon gas levels in your home or office. This device offers audible and visual alerts, tracks temperature and humidity, and stores historical data for comprehensive air quality assessment. It is designed for ease of use, requiring no complex installation or third-party services for long-term testing.

SETUP

1. Battery Installation

The X-Sense Radon Detector comes pre-installed with three AA batteries. To activate the device, remove the small plastic tab located in the battery compartment. The device is designed for low power consumption, providing up to 2 years of battery life without the need for charging or maintenance.



Bedroom



Living room



Study



Basement

Figure 1: Removing the plastic tab from the battery compartment to activate the device.

2. Device Placement

For optimal accuracy, place the radon detector in the lowest occupied room of your home. Avoid placing it near doors, windows, or areas with significant airflow that could affect readings. Ensure it is placed relatively low to the floor. Refer to the detailed specifications in the manual for precise placement guidelines.



Figure 2: The compact X-Sense Radon Detector on a table, illustrating its small footprint.

OPERATING INSTRUCTIONS

1. Initial Monitoring

Once activated, the device will automatically begin monitoring radon levels. The display will show "run" for both Long-Term Average (LTA) and Short-Term Average (STA) until sufficient data is collected. Reliable results are typically available within 24 hours, with 95% accuracy achieved after 7 days or more of continuous monitoring.



Figure 3: Initial display showing "run" during the data collection phase.

2. Understanding the Display

The LCD screen provides real-time and average readings:

- **LTA (Long-Term Average):** Displays the average radon concentration over an extended period (up to 999 days).

- **STA (Short-Term Average):** Displays the average radon concentration over a shorter period (e.g., 24 hours or 7 days).
- **T (Temperature):** Shows the average ambient temperature.
- **RH (Relative Humidity):** Shows the average relative humidity.

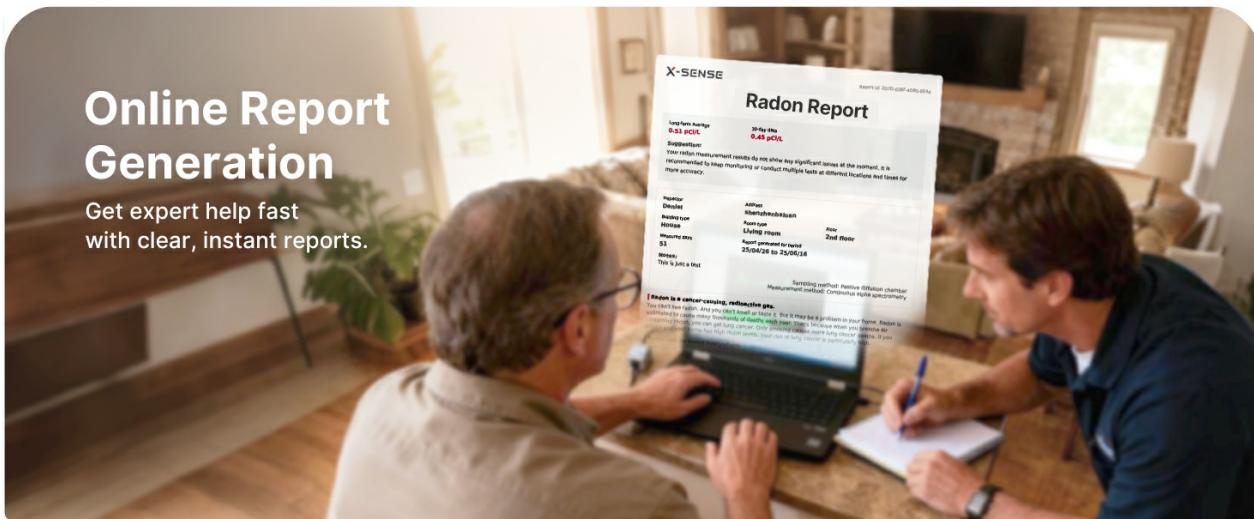


Figure 4: Detailed view of the display with radon, temperature, and humidity readings.

3. Alerts and Notifications

The device features smart safety alerts:

- **Audible and Visual Warnings:** If radon levels exceed a predefined threshold, the device will emit sound and flash a light (red for alert, yellow for fault) to notify you.
- **Low-Power Notifications:** The device will alert you when battery levels are low, ensuring continuous monitoring.



Figure 5: Visual representation of the device's sound and light alerts.

4. Data Management

The device stores up to 99 local reports. Use the "Report" button to save current data and the "Left/Right" buttons to review historical records. For detailed reports, scan the QR code on the back of the device to generate a PDF report of all collected data, including long-term and short-term results.

Uncover the Hiding Radiation in Your Air

Radon can come from natural sources such as soil, rocks, certain building materials, or even groundwater.



Figure 6: Interacting with the device buttons to manage data reports.

MAINTENANCE

The X-Sense Radon Detector is designed for minimal maintenance. It operates on three AA batteries, which typically last up to 2 years. No charging or complex upkeep is required. When the low-power notification appears, replace the batteries to ensure continuous monitoring.

One-Touch Reset

To clear all stored data and reset the device, long-press the Reset button located at the bottom of the radon detector. This feature is useful when moving the device to a new location or starting a new monitoring period.

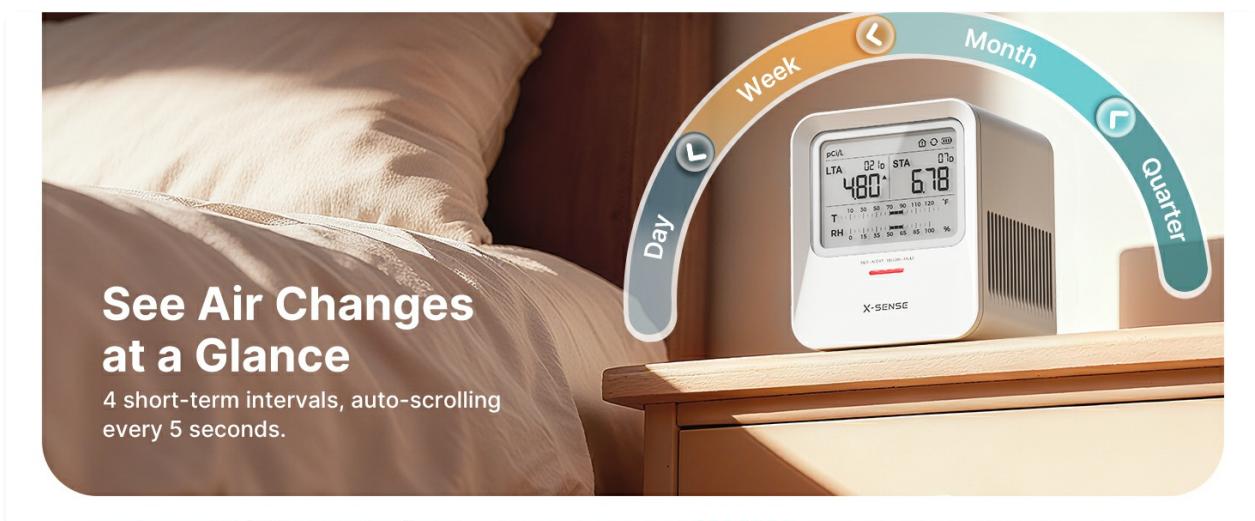


Figure 7: Location of the Reset button for clearing data.

TROUBLESHOOTING

- **Red Alert:** Indicates high radon levels. Take immediate action to ventilate the area and investigate the source.
- **Yellow Fault:** Indicates a device malfunction or an issue with the readings. Refer to the full manual for specific fault codes or contact customer support.
- **Silencing Alerts:** Press the button on the top of the device to temporarily silence audible alerts.
- **Inaccurate Readings:** Ensure the device is placed correctly, away from drafts, and has been allowed sufficient time (at least 7 days) to establish accurate long-term averages.

SPECIFICATIONS

Feature	Detail
Brand	X-Sense
Model Number	XR0B-SR
Color	White
Power Source	Battery Powered (3 AA batteries included)
Battery Life	Up to 2 years
Item Weight	1.04 pounds
Product Dimensions	3.8"D x 3"W x 3.2"H
Material	PC + ABS
Data Storage	Up to 99 local reports
Accuracy	95% accuracy after 7 days or more

WARRANTY AND SUPPORT

X-Sense offers a 60-day money-back guarantee, a 5-year quality warranty, and lifetime technical support for the Radon Detector. For assistance, please refer to the contact information provided in your product packaging or visit the official X-Sense website.