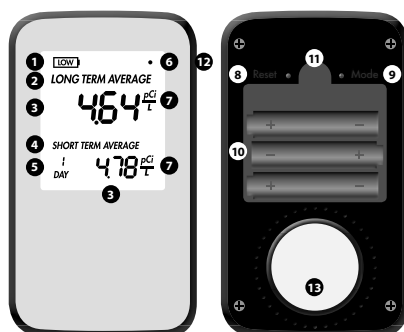


# Digital Radon Detector Instructions



## KEY TO FIGURE

1. Low battery level indicator.  
Change batteries as soon as possible when this icon appears

2. 'LONG TERM AVERAGE'.  
Long term average

3. Measuring value

4. 'SHORT TERM AVERAGE'.  
Short term average

5. Measurement period for short term average. Ranges between 1 and 7 days

6. Measurement indicator.  
Blinks when the instrument is active

7. Unit of measure: pCi/L  
(Picocurie per liter of air)

8. 'RESET'. Reset button. Use to start a new measurement period.  
Note: Removes all stored data from the previous measurement

9. 'MODE'. Button to display number of measurement days since the last reset. Appears on the screen for 20 seconds

10. Battery holder for 3 x AAA alkaline batteries (LR03)

11. Opening of battery cover

12. USB input.

For use by manufacturer only

13. Serial number (SN)

## Getting Started

1. Remove battery lid and put in 3 AAA batteries.
2. The display shows 'CAL' (calibration) and counts up to minimum 50. The instrument self-test in this phase. Duration less than 30 sec.
3. The display shows up to 4 flashing dashes indicating the time left until radon levels are shown. In this phase, data is obtained for an initial radon level calculation. The phase duration depends on radon levels, but typically ranges from 6 to 24 hours. The indicator at the top right of the screen flashes when the instrument is active.
4. Place the instrument in living areas (e.g., bedroom and living room) and in places deemed representative of the air breathed in each living area. The instrument should not be exposed to direct sunlight or moisture, and should be placed at least 50 cm above floor level, and at least 150 cm from the nearest door, window or air vent. Moreover, it should not be moved during measurement.
5. Note:
  - Results on the first day must be regarded as a radon level indication only. Bear in mind that the longer the measurement period, the more accurate the measurement.
  - If the display shows 'Err' and a number, press RESET, remove and reinsert the batteries after cleaning its contacts. If the 'Err' persists, contact the seller for support.
  - **Remove Batteries after use.**

## Using the Instrument

- The long term average represents the average radon value for the ongoing measurement, max one year (updated once a day).
- The short term average alternates between showing radon values for the last day (updated hourly), and for the last seven days (updated once a day).

The long term average is intended to identify potential health hazards. The short term average is intended to assess the effects of measures to reduce radon levels - for example, increased ventilation. The short term average can also be used to provide an indication of radon levels. It may provide relevant (albeit general) information when long-term measurement is not possible.

World Health Organization (WHO) recommends that the annual average concentration of indoor radon should be below 2.7pCi/L.

Proposed measurement method: Buildings can be diagnosed by measuring all living areas - e.g., living rooms and bedrooms - for at least one week. For a more accurate value, this should be followed by a long-term measurement (for at least 2 months) in the room with the highest radon value. Note: Follow the recommendations from national authorities for measurement methods, measurement period and safe levels.

RESET is used to restart the instrument before a new measurement. This operation removes all stored radon data. Remember to note all previous measurement before using the RESET button.

MODE is used to get information on the number of measurement days since the instrument started for the first time or the last RESET operation. This information is displayed on the lower half of the screen for 20 seconds before the screen returns to the ordinary display.

It is recommended to keep the instrument continuously ON. Replace the batteries when the battery indicator shows low level on the display. Note: Upon battery replacement, the instrument is reset and all stored data deleted.

## TECHNICAL SPECIFICATIONS

Power Supply	3 AAA alkaline batteries (LR03) 2 years battery life		
Dimensions	4.7 in × 2.7 in × 1 in		
Weight	0.3 lbs (incl batteries)		
Operation Environment	Temperature: 39 °F to 104 °F		
	Relative Humidity: < 85 %		
Measurement Range	Lowest detection limit: 0 pCi/L Upper display limit: 500.0 pCi/L		
Accuracy/Precision at 5.40pCi/L (Typical)	7 days	10 %	
	2 months	5 %	