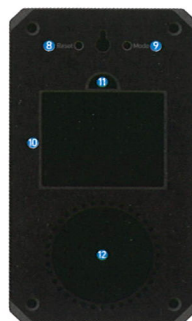


# RN55

## USER MANUAL

### DIGITAL RADON MONITOR



#### USA version

#### European version

Thank you very much for using this product. In order to enjoy the service of this product, please keep and read the instruction carefully.

### KEY FEATURES

1. Measurement indicator. Blinks when the instrument is active.
2. Low battery level indicator. Change batteries as soon as possible when this icon appears.
3. "LONG TERM AVERAGE". Long term average.
4. Measuring value.
5. Unit of measure: pCi/L (or Bq / M<sup>3</sup>).
6. "SHORT TERM AVERAGE". Short term average.
7. Measurement period for short term average. Ranges between 1 and 7 days.
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 3x AAA alkaline batteries ( LR03 ).
11. Opening of battery cover.
12. Radon sensor vent.

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## USER MANUAL

### DIGITAL RADON MONITOR

### SAFETY

Contact the seller if the product requires service or repairs.

The front or back cover must not be opened

Avoid subjecting the unit to shock, impact, pressure, vibrations, dust and moisture.

The unit must not be exposed to direct sunlight for extended periods.

Use only AAA alkaline batteries ( LR03 ).

Batteries must not be exposed to flame or other high heat sources.

Battery terminals shall not be touched and kept free of dust, sand and liquids.

### GETTING STARTED

1. Firstly, Pull out the plastic tab by the battery lid at the back of the Monitor.
2. Then the display shows 'CAL' (calibration) and counts up to minimum 50.  
The monitor self-test in this phase. Duration time less than 30 sec.
3. The LCD screen 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 left of the screen flashes when the monitor is active.
4. Place the monitor in living areas (e.g., bed room and living room) and in places deemed representative of the air breathed in each living area.

### Note:

- 1) The radon monitor should not be exposed to direct sunlight or moisture, and should be placed at least 50cm above floor level, and at least 150cm from the nearest door, window or air vent.
- 2) Don't move it during measurement.
- 3) 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.

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### DIGITAL RADON MONITOR

#### HOW TO USE THE MONITOR

- The long term average represents the average radon value for the ongoing measurement, max one year ( updated once every 24 hours ).
- The short term average (SHORT TERM AVERAGE) alternates between showing the radon value over the last day (1DAY-updated hourly) and over the last 7 days ( 7 DAYS - updated once every 24 hours ).

The long term average is used to identify any potential health risk.

The short term average is used primarily to see the effect of measures to reduce the radon level-for example by increasing the ventilation.

The building can be diagnosed by taking measurements for one week in all living areas,such as living rooms and bedrooms.

This should preferably be followed by long term measurement in the room which has the highest radon value.

For long term measurement period and action level we recommend to follow the guidelines from the national radiation authority.

**RESET:** press the button 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:** press the button 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 20seconds before the screen returns to the ordinary display.

It is recommended to keep the monitor continuously ON.

Replace the batteries when the low battery indicator shows on the display.

Note: Upon battery replacement,the instrument is reset and all stored data deleted.

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### DIGITAL RADON MONITOR

#### DISCLAIMER

The instrument is tested and quality-assured by production.

It meets the accuracy values set out in the specification table.

In the event of incorrect use or operation of the monitor,manufacturer/seller cannot be held responsible for the losses resulting from it.

If you have any issues with your instrument,please get in touch with us.

We are more than happy to help!

#### SPECIFICATION

Detecting technology	Passive radon diffusion chamber	
Sensor	Alpha spectrometry sensor	
Battery	3AAA alkaline Battery ( LR03 )2 years battery life	
Accuracy / Precision		
@200 Bq / M³ ( 5.4 pCi / L ) - Typical	7 days	< 10%
	2 Month	< 5%
Measurement ranage	0-9999 Bq / M³ ( or 0 - 500 pCi / L )	
Operation Environment	Temperature:4°C to +40°C Relative Humidity < 85%	
Dimensions	L125 X W70 X H25mm	
Weight	150g ( incl.battery )	