Instruction Manual

Product Description

This radon detector is an efficient, portable device capable of monitoring radon concentrations in real time. Radon is a colorless, odorless, radioactive gas that can cause lung cancer and respiratory problems when exposed to high concentrations over a long period of time. Therefore, it is critical to use this instrument for radon monitoring in environments such as homes, building construction, schools, and public spaces. The device is easy to operate, just turn it on, place it in the detection area, and obtain radon concentration data in real time. Radon can enter buildings through crevices in floors, walls, and pipes, and detecting and controlling radon levels is important to ensure a safe living environment. With their ease of use and efficiency, our radon detectors are ideal for keeping your home and work environment safe.

Description of accessories

Item	Quantity
Main Device	1
USB cable	1
English Manual	1
Suitcase	1

01	Battery	02	Real time Radon level
03	Long term average Radon level	04	Short term average Radon level
05	Power Button	06	Setting button
07	Switch button	08	Up Button
09	Down Button	10	Air inlet
11	Back Bracket		

Instructions

(1) Start Up

Long-press the power button, the device will boot up.

Note1: If you can't turn on the device, please plug in and charge it for a while first.

Note2: After 2 minutes without any operation, the device will enter standby mode to save power consumption.

(2) Shutdown:

In the power on state, press and hold the power button for 3 seconds to turn it off.

Note: To ensure the accuracy of readings, please keep the product standing when using it and do not lay it flat, which may block the ventilation opening.

System set

(1) How to Switch Radon Level Unit

Short press switch button one time then the unit will be switched between pCi/L and Bq/m^3.

(2) How to adjust Radon alarm threshold

Short press "setting button" one time,it goes to the percentile value setting. using the up and down keys to change the value, after selection, press "setting button" again ,it will go to the next digit value setting.

Note 1: The radon detector was designed with a built-in alarm, this alarm beeps when the radon levels surpass the threshold which you set.

Note 2: The default alarm value is 2.75 pCi/L

Note 3: You can turn off the Alam by short Pressing the Power button one time .

Product Specifications

Product Size	161x 77 x 33mm(6.3 x 3.0 x 1.2Inches)
Product Weight	265g(9.35 oz)
Display Method	LCD Screen
Measuring Item	Radon real time Radon long term average Radon short term average
Detection method for radon	Ionic Techmology
Concentration Unit for radon	pCi/L , Bq/m3
Atmospheric Pressure	12.5 PSI- 15.4 PS
Sampling Time	1.5 Seconds
Temperature Range	-10C-50°C(14F-122F)
Storage Temperature	-10°C-60°C(14F-140°F)
Relative Humidity	20%-85%
Humidity Range	20%-85%
Power Source	2000 mAh Rechargeable Lithium battery, Charging via Micro USB Port

Table of Reference Values for Radon Levels	
Detecting horizontal lines	Recommended measures
Less than 2.7 pCi/L or 99.9 Bq /m^3	**Good:** No need for any movement, easy breathing
Equal to or greater than 2.7pCi/L but less than 4pCi/L or 148Bq /m^3	**Bad:** Continue to measure and contact a professional radon removal organization if the level remains for more than 3 months
Equal to or greater than 4pCi/ L or 148Bq /m^3	**Serious:** Continue to measure. If levels remain for more than 1 month, contact a professional radon removal organization for treatment

1 pCi/L=37 Bq/m^3, Pico Curie Per Liter (pCi/L), Becquerel Per Cubic Meter (Bq/m^3)