DATA REPORT

File：R_202506271846_1.pdf Build： 2025-06-29 07:03:40

Device Information

Type:	HOUND-3699	Sensor:	radon pulse ionization chamber sensors
Serial Number:	e01000425	Memory:	24408
IP Level:	IP6X	Measuring Range:	0~65534Bq/m³

Configuration Information

Maximum Storage Time:	508 days	Storage Method:	auto overwrite when full
Record Interval:	30 minutes	Radon Concentration Unit:	Bq/m³
Radon Concentration Alarm:	support	Radon Concentration Alarm Value:	＞148Bq/m³
Temperature Alarm:	not support	α Particle Alarm:	ON
Relative Humidity Alarm:	not support		

Statistical Information

Number Of Records:	00073	Start Time:	2025-06-27 18:46
Record Duration:	001d 12h 00min	Stop Time:	2025-06-29 06:45
Maximum Radon Concentration:	133Bq/m³		
Minimum Radon Concentration:	0Bq/m³		
Average Radon Concentration:	41Bq/m³		
Radon Concentration Alarm:	Normal		

What is radon

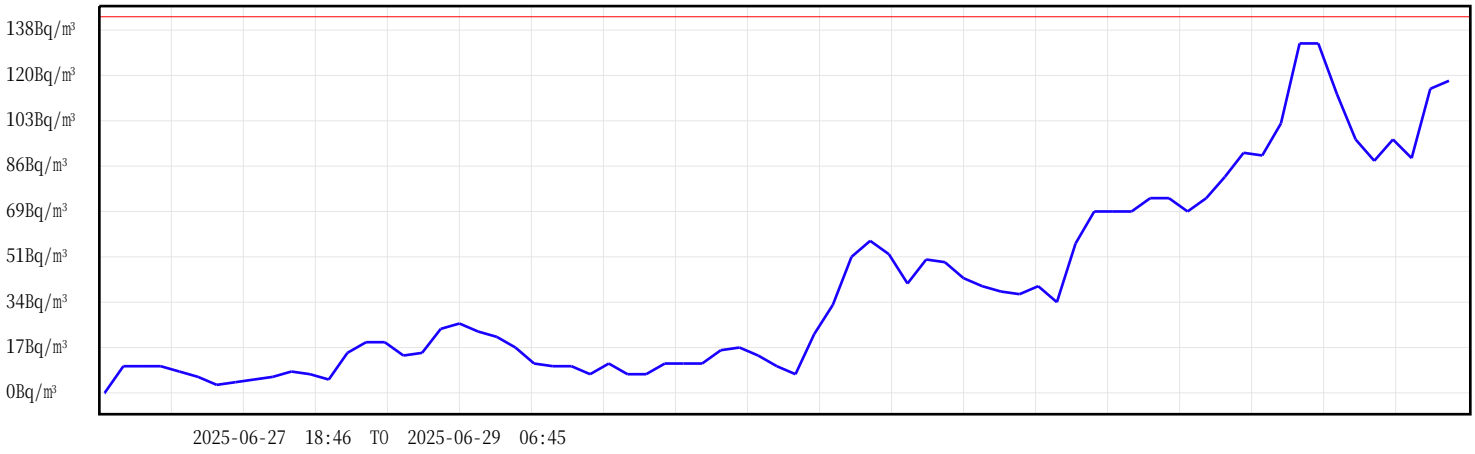
Radon is a dangerous radioactive gas. It is colorless, odorless, and tasteless, and cannot be detected solely by human senses. Its density is 8 times that of air, and houses in basements, schools, and underground facilities are prone to accumulating high concentrations of radon gas, which is very dangerous! The chemical properties of radon are not active, and the radon content in indoor air is very low, making it difficult to form compounds. The half-life is 3.8235 days, but it always exists in the environment around us, and the highest radon concentration occurs at dawn when most people sleep.

1.Harm: When inhaled into the body, α particles that decay from radon can cause radiation damage to the respiratory system, leading to lung cancer, especially in young children and pregnant women, posing a fatal danger.Based on the average radon level in a country, radon is estimated to cause 3% to 14% of all lung cancers.

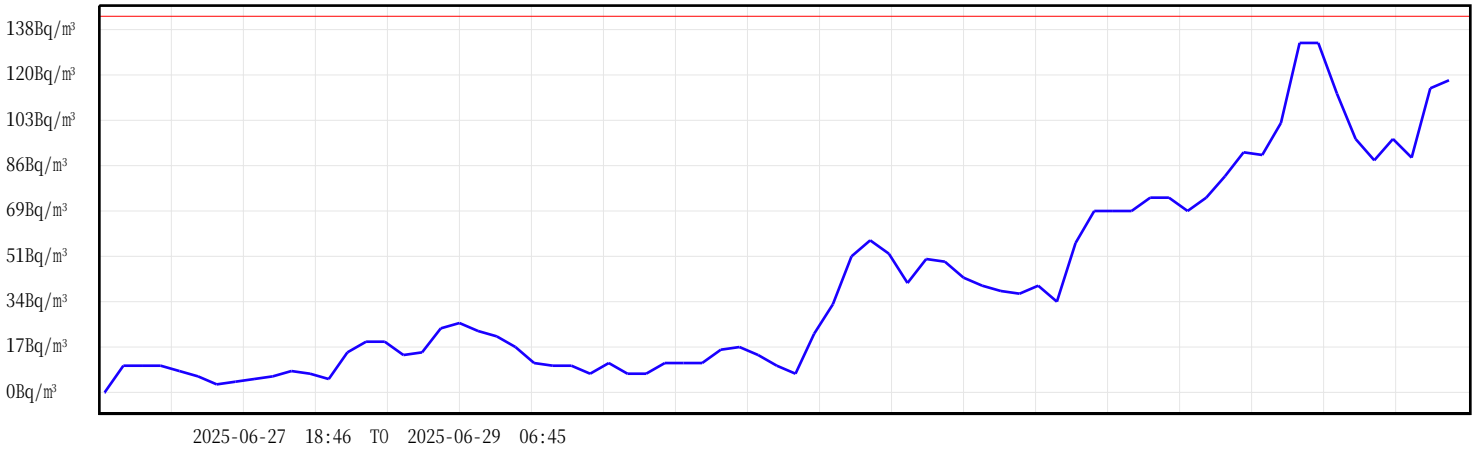
2.Source: Radon mainly exists in soil, and building materials are the main source of indoor radon.

3.Common control measures: The simplest and most effective way to reduce indoor radon concentration is to enhance indoor ventilation. When the radon concentration exceeds 4 pCi/L, Ventilation should be maintainedfor at least 10 minutes or longer.

Details of radon concentration in the last 96 hours (Red alert line:148Bq/m³)



Historical details of radon concentration (Red alert line:148Bq/m³)



NO.	Time	Bq/m³	Bq/m³	Bq/m³	Bq/m³	Bq/m³	Bq/m³
00001	25-06-27	0	11	11	11	9	7
00002	21:45:21	4	5	6	7	9	8
00003	25-06-28	6	16	20	20	15	16
00004	03:45:21	25	27	24	22	18	12
00005	06:45:21	11	11	8	12	8	8
00006	09:45:21	12	12	12	17	18	15
00007	12:45:21	11	8	23	34	52	58
00008	15:45:21	53	42	51	50	44	41
00009	18:45:21	39	38	41	35	57	69
00010	21:45:21	69	70	75	75	69	75
00011	25-06-29	83	92	91	103	133	133
00012	03:45:21	114	97	89	97	90	116
00013	06:45:21	119					