



Canadian National Radon Proficiency Program

2024/25 Consumer-grade Electronic Radon Monitor Performance Report

Over the past few years, electronic radon monitors have become increasingly available and popular with consumers. In order to provide Canadian consumers with an unbiased performance-based comparison of these monitors, the Canadian National Radon Proficiency Program (C-NRPP) regularly conducts a series of performance tests. [Details of the testing process can be found here.](#)

Radon levels vary from day to day and week to week. Although the electronic radon monitors listed in this report provide results quickly, it is important to **leave them in place for at least 3 months to get an accurate representation** of your average radon level.

Short-term radon measurements can be misleading (either much lower or much higher than your actual average radon level).

Follow these guidelines when testing your home for radon:

- Place your radon monitor in a room that is occupied for at least 4 hours each day. For detailed instructions on placing your radon monitor, [click here](#).
- Test your home for a minimum of 3 months, preferably during the heating season when indoor radon levels are typically the highest.
- If you only have access to a digital monitor for less than 91 days, we recommend that you follow up with a long-term radon test. You can find a list of online retailers here: <https://takeactiononradon.ca/test-for-radon/radon-test-kits/>
- Consider the long-term average radon level when deciding whether to mitigate your home. Electronic radon monitors each have a different method of averaging the data; we recommend you read the manufacturer's user guide to determine how to read the long-term average radon level.













The table on the next page summarizes the different devices that have been tested. These devices cannot be professionally calibrated and are **not approved by C-NRPP for use by radon measurement professionals**. To find a list of radon devices for use by professionals you can go here: www.c-nrpp.ca/approved-devices

This report lists radon devices which are intended for homeowners to use to test their own homes.



Canadian National Radon Proficiency Program

2024/25 Consumer-grade Electronic Radon Monitor Performance Report












	Make/Model	Manufacturers stated Accuracy	Frequency of Reading	Digital Display or cell-phone app	Battery or Plug-in	Approved For more details click here.
	Airthings Corentium Home	±10% (after 7 days at 200 Bq/m ³), ±5% after 2 months of monitoring	12 hours 24 hours 7 days (first reading will take 24 hrs)	Short-term and long-term average shown on monitor display.	Battery	
	Airthings View	After 30 days at 200 Bq/m ³ , ±10% on the 7 day average and +/- 5% on the 2 month average	Hourly	Short-term average shown on monitor display; long-term average shown on app.	Battery or plug in (USB-C)	
	Aranet RN+	±8% Accuracy of 24 h, 7 d, 30 d averages	Can be adjusted to show 10 min, 24h, 7 d or 30d	Display on device shows either short-term or long-term level depending on setting. Long-term shown on app.	Battery	
	Ecosense EcoQube	±10% at 370 Bq/m ³ after 10 hours of measurement	Measures every 10 minutes and displays an hourly rolling average.	Hourly levels are displayed on LED; short-term and long-term averages, and hourly data points on the mobile app.	Plug in	
	Ecosense RadonEye	±10% at 370 Bq/m ³ after 10 hours of measurement	Takes measurements every 10 minutes; displays an hourly rolling average	Hourly levels are shown on the OLED display; short-term and long-term averages are available in the mobile app	Plug-in	
	SunRadon Luft	±10% (after 7 days at 200 Bq/m ³)	Hourly, (Initial reading takes 90 mins)	Long-term and short-term averages shown on the app. Color coded indication of levels on monitor display.	Plug-in	
%	%	%	%			



Canadian National Radon Proficiency Program

2024/25 Consumer-grade Electronic Radon Monitor Performance Report

The following devices are NOT recommended by C-NRPP

	Manufacturer / Brand	Model / Link to Health Canada recall (when applicable)	NOT APPROVED
	Air Steward	Recalled by Health Canada	✗
	Bootu	RN-80	✗
	Boyd Gresham	Radon Detector – Recalled by HEALTH CANADA	✗
	CRADTEC	PRM-02H	✗
	CRADTEC	PRM-03H	✗
	Funny Kitchen	HRDM-02 - Recalled by HEALTH CANADA	✗
	HAKINAKU	Smart Radon Gas Detector	✗
	Hanchen	Home Radon Detector- Recalled by Health Canada	✗
	INKBIRD	Home Radon Meter – Recalled by Health Canada	✗
	INKBIRD	INK-RD2 – Recalled by Health Canada	✗
	LifeBasis	LCARM001 – Recalled by Health Canada	✗
	LifeBasis	RN-55 – Recalled by Health Canada	✗
	Radon Guard	Recalled by Health Canada	✗
	Spolehli	Radon Detector – Recalled by Health Canada	✗