

Radtrak² Alpha Track Detector



Alpha track detector for long term measurements

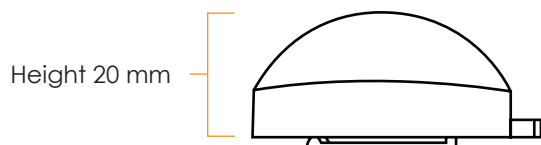
A reliable detector for both residential and commercial measurement needs.

The exceptionally wide range allows radon levels to be measured from 15 Bq/m³ to as high as 25,000 Bq/m³ during a three month period.

Detector employs alpha track technique for measurement. Device is composed of film elements inside anti-static plastic housing. Radon enters by diffusion.

Detector analysis performed using state-of-the-art image scanner at the Landauer C-NRPP accredited laboratory.

Exposure results expressed in Bq/m³.



Detector	Dwellings/workplaces and as dosimeter
Measurement range (Bq/m ³)	15 – 25,000 at 3 months
Normal exposure duration (days)	90 – 365
Uncertainty (%)	6% at 400 kBq/m ³ (3 months at 200 Bq/m ³)
Basis of uncertainty	1 sd
Diametre (mm)	58 (63.5 with hanger)
Height (mm)	20 (23 with clip)
Holder type	Closed, with filter
Holder design	NRPB/SSI (black)
Holder antistatic measures	Conducting holder
Detector material	CR39/PADC

Radon Environmental is partnered with Landauer Radon to bring the latest alpha track technologies to Canada. Learn more about our strategic relationships and how the newest radon detection and mitigation products are changing the industry's approach to radon management. Visit www.radoncorp.com.

Radon Environmental Management Corp.

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Access and manage your data whenever you chose with the secure **MyData** customer interface.

Radtrak² detectors should be returned to the Landauer Radon laboratory for analysis within 24 months of client receipt.

Radtrak² Long Term Radon Test

INSTRUCTIONS FOR LONG TERM RADON MEASUREMENT

- 1 Read the instructions on PLACING THE DETECTORS. Then follow the custom user link in your email to the **MyData** user interface. Fill in the measurement details online and register the start date and location of the detectors. Save your data.
- 2 The detectors should then be placed according to the instructions, and the measurement period should be at least 3 months and 12 months is optimum. The ideal 3 month testing period would be in the typical heating season that runs from October through to April. The measurement starts when the radon-proof plastic bag is opened.
- 3 After the measurement is completed, log in to **MyData** and register the end date online. Start and end dates are needed for calculation of the radon concentration. Complete any remaining form details and submit your data. Return detectors for laboratory analysis inside the provided envelope.

PLACING THE DETECTORS

The measurement should be made in a normal occupancy area of the lowest lived-in level of the home. The normal occupancy area is defined as any area occupied for more than 4 hours per day. The detector should be put in a room that is regularly used such as a livingroom, den, or bedroom, but not in a kitchen or bathroom.

- At a height of 0.8 m to 2 m (3 to 6.5 feet).
- At least 50 cm (20 inches) from ceiling and 20 cm (8 inches) from other objects so as to allow normal airflow around the detector.
- Approximately 40 cm (16 inches) from an interior wall.
- Approximately 50 cm (20 inches) from an exterior wall.

For more information: see Health Canada Guide for Radon Measurements in Residential Dwellings (Homes).

The Radtrak² radon detector is manufactured and analyzed by Landauer Radon, the global leader in radon measurements. This device is designed for long term testing of 90 days to one year. Long term detectors provide a more reliable representation of your average radon levels, and are less vulnerable to under/over reporting due to fluctuations in radon levels.

If you have any questions regarding the measurement performance, contact us at:

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