Solutions for a healthy indoor environment

Pylon Radon Air Test

Accuracy and Speed

Grab sample test for radon in air measurements

What's the fastest and most accurate way to obtain a short term radon test? The PYLON RADON AIR TEST. It's easy, affordable, and you get the results you need in the time you need them.

You receive two Lucas-type scintillation cells for testing indoor air. Use the connector to easily deploy both cells within 48 hours of receipt. Return to the laboratory according to the enclosed instructions. Your test samples will be analyzed immediately upon receipt, and a confidential report will be made available.

The PYLON RADON AIR TEST is well suited to real estate professionals, new home builders, and building inspectors where accurate data are needed fast.

Sample analysis performed using laboratory-grade radiation monitor – highly sensitive scientific equipment. Cells require a $500 deposit to insure against damage. Exposure results ready within one business day of receipt of cells and expressed in Bq/m^3.

It is recommended to follow-up with a long term test to determine average exposure levels. A Radtrak^2 alpha track detector is included with your order.

Key Features

+ **Testing performed using Pylon laboratory monitor with results traceable to NIST**
  (National Institute of Standards and Technology)
+ **suitable for rapid short term testing, real estate professionals, home inspections, commercial surveys**
+ **high sensitivity, can detect low radon levels**
+ **accurate to +/- 4%**
+ **stable, insensitive to temperature and humidity changes**
+ **easy to use**
+ **confidential analytical report via email within 24 hours of receipt by laboratory**

Radon Environmental is partnered with Pylon Electronics to introduce laboratory-grade, short term testing to Canadians. Learn more about our strategic relationships and how the newest radon detection and mitigation products are changing the industry's approach to radon mangement. Visit www.radoncorp.com.

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Radon™ Environmental

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

Lucas-type scintillation cells are highly sensitive scientific equipment. Take care when handling and returning for analysis.

Pylon Radon Air Test

INSTRUCTIONS FOR SHORT TERM RADON MEASUREMENT

1. Read the instructions on DEPLOYMENT PROTOCOL and SAMPLE COLLECTION. Then follow the custom user link in your email to the **MyData** user interface. Fill in the measurement details online and register the sample dates, times and building details. Save your data.
2. The samples should then be collected according to the instructions, and the measurement for two cells should be within 48 hours. Closed-building conditions generally prevail during the cold season from October to April. To provide closed-building conditions outside the cold season, the occupants may have to adjust their lifestyle for the duration of the measurement. See the recommended deployment protocol below. The measurement starts when the vacuum seal of a cell is released.
3. After the sample is collected, log in to **MyData** and complete any remaining form details and submit your data. Return cells for laboratory analysis inside the provided box.

DEPLOYMENT PROTOCOL

Lucas-type scintillation cells shall be used to collect samples of air for radon analysis using a laboratory-grade radiation monitor. Both cells should be deployed within the same 48 hour time period.

Samples must be received by the lab within 48 hours of collection. Note the lab only receives sample shipments Monday through Thursday.

Short term measurements lasting less than 30 days should be made under closed-building conditions. Windows on all levels and external doors should be kept closed (except during normal entry and exit) for 12 hours prior to and during the measurement period. In addition, external-internal air exchange systems (other than a furnace) such as high-volume, whole-house and window fans should not be operating. However, attic fans intended to control attic and not whole building temperature or humidity should continue to operate. Combustion or make-up air supplies must not be closed.

It is recommended to follow-up with a Radtrak^2 long term test to determine average exposure levels.

SAMPLE COLLECTION

Collect 2 samples within a 48 hour period. To collect a sample, insert the Swagelok connector provided into one of the connectors at the top of the cell. This releases the vacuum and takes the air sample.

After 1-2 seconds, remove the connector. Repeat for the second cell.

The measurement should be made in a normal occupancy area of the lowest lived-in level of the building. The normal occupancy area is defined as any area occupied for more than 4 hours per day.

- 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.

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

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