

Radon Scout Plus

Accurate, Rugged & Easy-to-use!

Radon Scout Plus

The Radon Scout and the Radon Scout PLUS (with display) are accurate, rugged and easy-to-use continuous radon monitors for professional use. The Scout is well-suited for both short-term and long-term measurement of radon gas. It is an ideal radon data logger for both radon screening and for mitigation work.

The Scout is used with a computer (Windows7 Vista or XP) for data retrieval and analysis using the supplied Radon Vision Software. Except for the RUN/STOP switch, there are no user controls on the Scout. All setup, measurement and data transfer functions are controlled by the Radon Vision Software.

The Scout does not need line power. It will operate more than 90 days on fresh alkaline batteries.



Software Features

- Easy setup and data download
- Interactive graphical display – zoom, pan, fit, data-cursor, marker for tilt and start of a new measurement
- Data export in ASCII characters for EXCEL format
- Direct reading by EXCEL
- Printed reports with space for user comments
- Average radon concentration and exposure
- Data smoothing
- Select areas of interest for calculating the average radon level
- Automatic file names and folder structure
- Simple intuitive user interface
- Automatic instrument detection
- Create PDF files of the reports.

The computer needs to have an available USB or 9-pin serial socket.

Included with the Radon Scout

- Radon Scout (or Scout PLUS) data logger
- Radon Vision software disk for Windows 7, Vista, XP
- 9-pin serial cable
- USB adapter
- Batteries
- Calibration certificate
- Instruction manual
- 5 sets of:
 - RADON - A Guide for Canadian Homeowners
 - Home Buyers and Sellers Guide

Optional Items

- AC adapter
- Tripod adapter clamp
- Tamper resistant case



Applications



Radon Testing:

Accurately measure radon gas to determine if radon levels are above or below recommended levels. In a radon inspection at school or commercial building, measure radon during occupied and unoccupied portions of the day. You can quickly determine the relation between the average radon level and the radon present during occupied times.

Radon Mitigation:

As the mitigation job progresses, monitor indoor radon levels to suggest mitigation strategy. Measure hourly radon levels during the full time that you are on-site, and for two days after completion. Analysis is fast and easy with the Radon Vision software. Select areas of interest (AOI) at the beginning, at different stages during the remediation and at completion to verify the mitigation's effectiveness.

The Scout uses a solid state alpha decay sensor for radon gas that is not affected by temperature, humidity or gamma radiation levels to ensure accurate and repeatable results. It uses instrument-grade sensors to continually record environmental parameters. This helps ensure test validity and helps in interpreting the results.

	Radon Scout	Radon Scout Plus
		
• Maximum Sampling Intervals	672	2047
• Data recording time with 3-hour sampling interval	84 days	255 days
• Display	None	<p>Alternates each minute between two display screens.</p> <p>Screen 1: Average radon during last hour, error percentage, time, barometric pressure, temperature, relative humidity, battery voltage</p> <p>Screen 2: Average radon during entire test, date and time started, elapsed time in current interval, interval length, number of intervals elapsed.</p>

Specifications

- Output Reading: Radon gas concentration (Rn-222)
- Measurement Type: Continuous radon monitor (crm)
- Sampling Method: Passive air diffusion
- Detector: Solid state alpha detector, ion-implanted silicon
- Dynamic Range: 0 to 10 MBq/m³
- Units: Bq/m³ or pCi/L (selectable)
- Sensitivity: 0.108 CPH per Bq/m³ nominal (4 CPH per pCi/L)
- Accuracy: +/-10%
- Response Time: 120 minutes to 95% of final value
- Tamper Detection: Tilt monitor
- Controls: RUN/STOP switch with lock-out control
- Time: Internal real-time clock
- Power Supplies: 2 x D-cell batteries (Alkaline, NiCd or NiMH)
- Low-Battery Indicator: Flashing red LED
- Battery Life: 90 days for alkaline batteries
- Line power: 120 V 60 Hz with AC adapter
- Size: 175 x 135 x 55 mm
- Weight: 800 g (1.75 lb) (including battery)
- Calibration Certificate: Included. Annual re-calibration is recommended.

Radon Vision Software DATA SCREEN



Environmental Sensors

- Relative Humidity: 10% to 90%, +/- 2%
- Temperature: -20° to 40° C, +/- 0.3° C
- Barometric Pressure: 800 to 1200 mbar, 0.5% non-linearity (Radon Scout PLUS)