



Portable Radon in Air Monitor

Model – RnCAM

Features

- Detects RADON-220 & RADON-222
- Portable or Installed
- Detects Between 5 Minutes and 30 Minutes –
 - » User Settable
- Range: 0.1-2000 pCi/l (PicoCurries per Liter)
- User Settable Units - PicoCi/L or Bq/m³ etc.
- **Optional:** Total Daily Dose
- Programmable Digital Readout
- Rechargeable Battery or AC Operation
- Data Archive and Retrieval
- Computer Interface RS-232
 - Optional:** LAN or USB Port
- **Optional:** External Alarm: Audio / Visual
- Use with Portable PC as a one-Year Data Buffer
- User Settable Trip Point
- Gamma Rejection
- Available with BACNET Compatible Communication

Application

The RnCAM is designed for a quick and accurate real-time display. Data output via proprietary software to user's laptop provides ease of use and evaluation.

Internal data log accurately establishes the daily variation in Radon concentrations.

The RnCAM is very useful as a real-time Radon in air monitor for those individuals involved in radon mitigation since the real-time indication gives an immediate indication of any mitigation efforts. Mitigation of radon concentrations can be as simple as a change in ventilation flow or a more complex effort such as installing a vapor barrier.

Description

The RnCAM operates as a simple stand-alone radon air detector providing real-time measurement over a wide range of concentrations. All data is stored.

- Verifies Need for Radon Mitigation Devices
- Sensitive for Occupational Exposure
- Flashing Led for Each Radon Pulse-Optional Audio Signal
- Built-in Computer Interface
- **Measures Below Epa Recommended Mitigation Limit of 4 pCi/L In A Few Minutes.**

All instruments are calibrated at the factory. Calibration check may be performed in the field with a microCurie level Beta-Gamma source.

Chamber may be checked for linearity of response on a Gamma calibration range. User friendly calibration controls are provided.



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Portable Radon in Air Monitor

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Specifications

- **Ranges:** 0.1 to 2,000 pCi/L
- **Detector:** Ion Chamber 300 cc radon internal chamber.
- **Air Pump:** 3 lpm
- **Count Time:** User Settable
- **Sensitivity:** 0.65 (User Settable)
- **Temperature:** -4°F to 122°F (-20°C to 50°C)
- **Display:** Large, easy to read digital LED readout.
- **Front Panel Controls:** Off-On, Pump Off-On, Back Light.
- **Smoke, Dust and Ion Elimination:** Filter and deionizer reduce effects to negligible level.
- **Alarm:** Alarm Pre-Set Button, Alarm Reset Button – User Settable.
- **Circuit:** Electrometer amplifies signal
- **Calibration:** Internal calibration with Radon gas.
- **Computer Port:** RS-232 serial port (standard); **Optional:** USB or LAN
- **Case:** Rugged, weatherproof.
Optional: Tamper Proof Control Panel

Dimensions

- **Portable System Excluding Handle:** 7" W x 11.25" L x 7.5" D (17.7cm W x 28.6cm L x 19.0 cm)
- **Weight:** 8 lbs

Electronics

- **AC Power:** 100-240VAC / 7.5 DC Adapter
- **Battery Backup:** 3.6 V / 10 Ah Rechargeable Battery;
24 hours between charges. (Standard)

Accessories and Options

- **RAL-3A:** Remote Alarm (audible and visual)
Model RAL-3A (includes 25 ft. of cable). **Optional:** 500 ft Cable.
- **HTR-7:** Heated Ion Chamber
- **WIN-W:** Win-Wedge data logging software for users PC.



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