

# PORTABLE RADON IN AIR MONITOR

Model – RnCAM

## FEATURES:

### DETECTOR:

- PORTABLE OR INSTALLED
- DETECTS RADON-220 & RADON-222
- RESPONSE BETWEEN 5 MINUTES & 30 MINUTES –
  - USER SETTABLE
- RANGE: 0.1-2000 pCi/l (PicoCurries per Liter)
- UNITS - PicoCi/L or Bq/m3 etc. - USER SETTABLE
- GAMMA REJECTION
- **OPTIONAL:** TOTAL DAILY DOSE

### ELECTRONICS:

- PROGRAMMABLE DIGITAL READOUT
- RECHARGEABLE BATTERY OR AC OPERATION
- INTERNAL DATA STORAGE
- DATA OUTPUT VIA RS-232
  - **OPTIONAL:** LAN OR USB PORT
- **OPTIONAL:** EXTERNAL ALARM: AUDIO / VISUAL
- USE WITH PORTABLE PC AS 1 YEAR DATA BUFFER
- USER SETTABLE TRIP POINT
- AVAILABLE WITH BACNET COMPATIBLE COMMUNICATIONS



**RnCAM:  
PORTABLE RADON DETECTOR  
FOR AMBIENT AIR**

## 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.

[See RADON IN AIR COMPARISON CHART](#)



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# PORTABLE RADON IN AIR MONITOR

## Model – RnCAM

### 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.

### SPECIFICATIONS:

#### DETECTOR:

- **Detector:** Pulsed Ionization Chamber
- **Ion Chamber Volume:** 300 ml radon internal chamber.
- **Smoke, Dust and Ion Elimination:** Filter and deionizer reduce effects to negligible level.
- **Ranges:** 0.1 to 2,000 pCi/L

#### ELECTRONICS:

- **Count Time:** User Settable
- **Sensitivity:** User Settable
- **Display:** Large, easy to read digital LED readout.
- **Front Panel Controls:** Off-On, Pump Off-On, Back Light.
- **Alarm:** Alarm Preset Button, Alarm Reset Button – User Settable.
- **Circuit:** Electrometer amplifies signal
- **Calibration:** Internal calibration with Radon gas.
- **Computer Port:** RS-232 serial port (standard) USB or LAN Optional
- **Case:** Rugged, weatherproof.
- ❖ **OPTIONAL:** Tamper Proof Control Panel

### DIMENSIONS:

- **Portable System Excluding handle:** 7" W x 11.25" L x 7.5" D (17.7 x 28.6 x 19.0 cm)
- **Weight:** 8 lbs. (3.6 kg)

### POWER:

- **AC Power:** 100-240VAC / 7.5 DC Adapter
- **Battery Backup:** Rechargeable Battery;



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24 hours between charges. (Standard)

### ACCESSORIES & OPTIONS:

- **RAL-3A:** Remote Alarm (audible & 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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