

PORTABLE RADON MONITOR

Model – RADON MONITOR

FEATURES:

- DETECTS RADON-220 & RADON-222
- PORTABLE
- DETECTS BETWEEN 10 MINUTES & 30 MINUTES
- RANGE: 0.1-2000 pCi/l (PicoCurries per lLiter)
- USER SETTABLE UNITS - PicoCi/L or Bq/m³ etc.
- OPTIONAL - TOTAL DAILY DOSE
- 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
- GAMMA REJECTION
- AVAILABLE WITH BACNET COMPATIBLE COMMUNICATIONS



APPLICATION:

The Radon Monitor 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.

DESCRIPTION:

The Radon Monitor operates as a simple stand-alone radon 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

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.



TECHNICAL ASSOCIATES
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SPECIFICATIONS:

- **Ranges:** Large, easy to read digital LED readout. 0.1 to 2,000 pCi/L
- **Detector:** Pulsed Ionization Chamber
- **Smoke, Dust and Ion Elimination:** Filter and deionizer reduce effects to negligible level.
- **Circuit:** Electrometer circuit amplifies 800 ml radon internal chamber.
❖ **OPTIONAL:** 1 liter chamber.
- **Display:** Optrex Monochrome Graphic Display
- **Front Panel Controls:** Off-On, Pump Off-On, Back Light.
Alarm PreSet Button, Alarm Reset Button.
❖ **OPTIONAL:** Tamper Proof Control Panel
- **Calibration:** Internal calibration with Radon gas.
- **Computer Port:** RS-232 serial port (standard) USB or LAN Optional
- **Case:** Rugged, weatherproof.

DIMENSIONS:

- **Portable System Excluding handle:** 7" W x 11.25" L x 7.5" D
- **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 & 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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