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.

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.

FEATURES:

- DETECTS RADON-220 & RADON-222
- PORTABLE
- DETECTS BETWEEN 10 MINUTES & 30 MINUTES
- RANGE: 0.1-2000 pCi/l (PicoCurries per ILiter)
- 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
### PORTABLE RADON MONITOR

#### Model – RADON MONITOR

**SPECIFICATIONS:**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Ranges:</strong></td>
<td>Large, easy to read digital LED readout. 0.1 to 2,000 pCi/L</td>
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<tr>
<td><strong>Detector:</strong></td>
<td>Pulsed Ionization Chamber</td>
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<tr>
<td><strong>Smoke, Dust and Ion Elimination:</strong></td>
<td>Filter and deionizer reduce effects to negligible level.</td>
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<tr>
<td><strong>Circuit:</strong></td>
<td>Electrometer circuit amplifies 800 ml radon internal chamber.</td>
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<tr>
<td></td>
<td><strong>OPTIONAL:</strong> 1 liter chamber.</td>
</tr>
<tr>
<td><strong>Display:</strong></td>
<td>Optrex Monochrome Graphic Display</td>
</tr>
<tr>
<td></td>
<td><strong>OPTIONAL:</strong> Tamper Proof Control Panel</td>
</tr>
<tr>
<td><strong>Calibration:</strong></td>
<td>Internal calibration with Radon gas.</td>
</tr>
<tr>
<td><strong>Computer Port:</strong></td>
<td>RS-232 serial port (standard) USB or LAN Optional</td>
</tr>
<tr>
<td><strong>Case:</strong></td>
<td>Rugged, weatherproof.</td>
</tr>
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</table>

**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.