



# RADON MONITOR

The **Overhoff Radon Monitor** is intended to measure radon-222 and radon-220 over a wide range of concentrations. Gamma rejection is inherent in the pulsed ionization chamber design.

The radon monitor is useful to those individuals who need to establish radon background levels or demonstrate compliance with regulations and to those individuals involved in radon mitigation efforts. **The Overhoff Radon Monitor can be used to accurately measure below the US EPA's recommended mitigation limit of 4 pCi/L in as little as a few minutes.**



The radon monitor can log 40,000 data points to accurately establish the daily variation in radon concentrations. The radon monitor's internal rechargeable battery can operate the monitor for 24 hours. By using the AC/DC adapter the monitoring time can be extended indefinitely which allows for logging the variations in radon concentrations due to the environmental effects of changes in barometric pressure and rainfall.

The radon monitor is very useful as a real-time radon monitor for those individuals involved in radon mitigation since the fast, 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.

## **SPECIFICATIONS**

<b>RADIATION DETECTED</b>	<b>Radon-220 and Radon-222 Alpha</b>
<b>DETECTOR</b>	<b>Pulsed Ionization Chamber</b>
<b>ELECTRONICS</b>	<b>Microprocessor Controlled Non-Volatile Memory</b>
<b>HOUSING</b>	<b>Weatherproof Rugged Design</b>
<b>DYNAMIC RANGE</b>	<b>0.1 to 2000 pCi/l</b>
<b>UNITS</b>	<b>picoCuries Per Liter of Air</b>
<b>SENSITIVITY</b>	<b>0.45 CPM per pCi/l</b>
<b>LINEARITY</b>	<b>0 To 2000 pCi/l (less than 10% deviation)</b>
<b>OPERATING MODE</b>	<b>Air Circulation Via Pump</b>
<b>DATA STORAGE</b>	<b>40000 Points</b>
<b>DISPLAY</b>	<b>Optrex Monochrome Graphic Display</b>
<b>CONTROLS:</b>	
<b>ON-OFF SWITCH</b>	<b>Alarm Preset Points, Manual</b>
<b>THREE MOMENTARY PUSH BUTTONS</b>	<b>Pump On/Off, Back Light</b>
<b>EXTERNAL OUTPUT</b>	<b>RS232 (Standard) and LAN (Optional)</b>
<b>POWER SUPPLY</b>	<b>Use 100-240VAC / 7.5VDC Adapter Or 3.6V / 7.4Ah Rechargeable Battery 24 Hr. Operating Capacity (Standard)</b>
<b>DIMENSIONS (excluding handles)</b>	<b>10.7" Long x 7" Wide x 7.5" Tall</b>
<b>WEIGHT</b>	<b>8 lbs</b>

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