



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 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 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

RADIATION DETECTED	Radon-220 and Radon-222 Alpha
DETECTOR	Pulsed Ionization Chamber
ELECTRONICS	Microprocessor Controlled Non-Volatile Memory
HOUSING	Weatherproof Rugged Design
DYNAMIC RANGE	0.1 to 2000 pCi/l
UNITS	picoCuries Per Liter of Air
SENSITIVITY	0.6 CPM per pCi/l
LINEARITY	1 To 2000 pCi/l (less than 10% deviation)
OPERATING MODE	Air Circulation Via Pump
DATA STORAGE	40000 Points
DISPLAY	Optrex Monochrome Graphic Display
CONTROLS:	Alarm Preset Points, Manual
ON-OFF SWITCH	Pump On/Off, Back Light
THREE MOMENTARY PUSH BUTTONS	
EXTERNAL OUTPUT	RS232 (Standard) and LAN (Optional)
POWER SUPPLY	Use 100-240VAC / 7.5VDC Adapter Or 3.6V / 10Ah Rechargeable Battery 24 Hr. Operating Capacity (Standard)
DIMENSIONS (excluding handles)	11.25" Long x 7" Wide x 7.5" High

