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