



Vapor Extraction Tool and Radon Monitor Portable

Model – VAP-X-Radon

Features

- Rn-CAM (Electronics and Radon Detector)
- Range: 0.1-2000 pCi/l (PicoCurries per Liter)
- User Settable Units - PicoCi/L or Bq/m³ etc.
- Programmable Digital Readout
- Sensitive for Occupational Exposure
- Dynamic Background Compensation
- Rechargeable Battery or AC Operation
- Data Archive and Retrieval
- Alarms: Alarm: Audio / Visual; High-level; Low Flow
- Computer Interface RS-232 **Optional:** LAN or USB Port
- Tools for Extraction of Radon Vapor in Soil are Included

Application

- Pin-point leak source / location
- Map underground plume
- Locate edge of plume
- Locate problem areas

Advantages:

- Allows user to chase down source
- **Optional** Sr-90 detection or detection of other nuclides

Situation:

Vapor extraction from soil at a series of points facilitates tracking and mapping a radiation leak or a spreading plume. Existing holes or wells may be available but additional data is required from points at different depths. Model VAP-X-Radon is designed specially to help you accomplish this task. **Details in the System Description Chart.**

Description

Technical Associates **VAP-X-Radon Extraction and Rn-CAM (electronics and detector)** is a sensitive, rugged, portable instrument for detection and measurement of Radon vapor in the soil. Its subtractive balanced chamber electrometer circuit decreases background effects to negligible levels and its deionized and filtered intake reduces to negligible levels spurious effects from dust and existing ionization in soil air. It is battery or AC operated.

Inlet and outlet hoses are provided. The **VAP-X-Radon** will measure airborne Radon in any form: water vapor, hydrogen gas or as volatile chemicals in concentrations as low as 1×10^{-5} uCi/cc of air. (370 KBq/m³)

All instruments are calibrated at the factory. Calibration check may be performed in the field with a microCurie level Beta or Gamma source. Background chamber may be disconnected to check linearity of response on a gamma calibration range. User friendly calibration controls are provided.



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