



Vapor Extraction Tool and Tritium Monitor Portable

Model - VAP-X-(H3)

Features

- User Settable Units - PicoCi/ml or Bq/m³ etc.
- Wide Range - Digital Accuracy
- Programmable Digital Readout
- Sensitive For Occupational Exposure
- Dynamic Background Compensation
- Battery Operation Or Ac Operation
- Built-in High Level Alarm
- Built-in Low Flow Alarm
- Built-in RS-232 Computer Interface

Description

Technical Associates VAP-X-(H3) Tritium Monitor is a sensitive, rugged, portable instrument for detection and measurement of Tritium 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 PTG-9 will measure airborne Tritium 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.

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-(H3) is designed specially to help you accomplish this task. Details in the **System Description Chart**.



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