



Portable Radon in Water

Model – RADON-7

Features

- Discrete Samples
- Continuous Flow
- Detects Alpha
- Lightweight

Model RADON-7 System *includes*

- FLO-9 Sample Head
 - PAS-8 Alpha Scintillator
 - ELECTRONICS - LAM-10 Alarming Ratemeter
 - Versatile
 - Analog
 - AC or DC Power
 - 5 Log Decades
 - Recorder Output
 - Large Display
 - User Settable Alarm: Audio / Visual
- OPTIONAL: Computer interface; RS-232 etc. or complete data logging and acquisition systems

Application


Detection of **Rising Radon Levels** in aquifer on drinking water is important to the health and safety of consumers and to the successful compliance to current **EPA** standards by **Utilities** and **Water Districts**.

Description

- Water flows continuously* through the lower section of the **FLO-9** sample head. Some of the suspended Radon gas escapes from the water due to its vapor pressure.
- The amount of Radon escaping can be increased by heating, agitating, bubbling, etc.
- The resultant Radon gas is detected by the **PAS-8** Alpha scintillation detector in the upper chamber.
- The count rate from the **PAS-8** Detector is displayed on the **LAM-10** alarming AC-DC Ratemeter or other TA counter.
- User settable alarm level.



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Strap-On Pipe Radiation Monitor

Model Series PEMO-7LE

The **RADON-7** Radon Alpha Scintillation system combines a modified PAS-8 Alpha Scintillation Probe plus FLO-9 vapor-flow-thru vessel for sample containment.

In this detection system, the protective ring and grill normally included in the PAS-8 when same is used as a free probe, is deleted to enhance sensitivity to Alpha radiation.

The sensitivity of the PAS-8/FLO-9 to 5 MeV Alphas is typically 80-85% of 2 pi. It is completely insensitive to Betas and Gammas. Background is typically less than one count per minute. Sample cavity is 2" diameter x 1/2" deep.


*inclusive of
PAS-8 detector

Model:	FLO-9
Dimension: *	3.5" x 7" L x 8" H
Shielding	none
Weight:	3.5 lbs
Shipping Weight:	6 lbs

The **PAS-8/FLO-9** is compatible with Technical Associates LAM, PUG and FM-9 Model Series Scalers and Ratemeters or any other high-quality scaler or ratemeter furnishing well-regulated high voltage +700 to 1200 V and accepting 100 mV negative going pulses from a 200 meg source. Termination is BNC (**Optional** MHV).



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