

PORTABLE RADON IN WATER

便携式水中氡监测器

Model – RADON-7

FEATURES: 特点

- DISCRETE SAMPLES 独立样品
- CONTINUOUS FLOW 连续取样
- DETECTS ALPHA 探测 α
- LIGHTWEIGHT 轻量

MODEL RADON-7 System Includes 系统包括:

- FLO-9 Sample Head 采样头
- PAS-8 Alpha Scintillator α 晶体探头
- LAM-10 Alarming Ratemeter 报警读数器



APPLICATION: 应用

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**.

检测含水层中水氡辐射对消费者健康安全及符合环保水利部门标准很重要

DESCRIPTION: 描述

- 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.
水流连续流过FLO-9系统下端采样头, 水中氡气由于气压而悬浮在水面上
- The amount of Radon escaping can be increased by heating, agitating, bubbling, etc.
通过加热, 搅动, 鼓泡等方式可增加氡气逃逸量
- The resultant Radon gas is detected by the **PAS-8** Alpha scintillation detector in the upper chamber.
处于系统上端的 **PAS-8** α 闪烁体对产生的氡气进行检测
- The count rate from the **PAS-8** Detector is displayed on the **LAM-10** alarming AC-DC Ratemeter or other TA counter.
PAS-8探头计数率显示在LAM-10读数器上
- User settable alarm level.
用户设定报警值

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.



TECHNICAL ASSOCIATES

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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.

RADON-7 氡 α 液闪系统由PAS-8 α 闪烁探头和FLO-9流气式样品腔包容箱组成, PAS-8正常配备的保护圈和格栅在此系统中会去掉以增加 α 灵敏度。

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

* inclusive of PAS-8 detector

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).

PAS-8/FLO-9 系统与TA公司的LAM, PUG及FM-9系列显示器或任何高质量的带调节高压+700-1200v的读数器都兼容, 可接受100mV负脉冲到200meg辐射源, BNC接头。



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