

# RADON MONITOR

## 氡监测器

Model – PTG-9-RN

### FEATURES: 特点

- 2 pCi/L (74 Bq/m<sup>3</sup>) in 5 min
- 5 分钟内达到 2 pCi/L (74 Bq/m<sup>3</sup>)
- 30 pCi/L (1000 Bq/m<sup>3</sup>) in 30 sec
- 30 秒内达 30 pCi/L (1000 Bq/m<sup>3</sup>)
- USER SETTABLE UNITS - PicoCi/ml or Bq/m<sup>3</sup> etc.
- 用户可设定单位-皮居/毫升或 Bq/m<sup>3</sup>
- OR TOTAL DAILY DOSE IN milliCuries or MBq etc.
- 或总剂量率毫居或兆贝克等
- WIDE RANGE - DIGITAL ACCURACY
- 宽量程-数字精确
- PROGRAMMABLE DIGITAL READOUT
- 可设定数字读数显示器
- SENSITIVE FOR OCCUPATIONAL EXPOSURE
- 对职业辐射暴露灵敏
- DYNAMIC BACKGROUND COMPENSATION
- 动态本底扣除
- PORTABLE
- 便携式
- CAN ACTUATE OPTIONAL DIGITAL PRINTER
- 可使用选购的数字打印机
- BATTERY OR AC OPERATION
- 电池或 AC 线供电
- BUILT-IN HIGH LEVEL & LOW FLOW ALARM
- 内置上限&下限报警
- BUILT-IN RS-232 COMPUTER INTERFACE
- 内置电脑接口 RS-232
- USE WITH PORTABLE PC AS 1 YEAR DATA BUFFER
- 使用便携 PC 机作为 1 年数据缓存器



### TECHNICAL ASSOCIATES OVERHOFF TECHNOLOGY

7051 Eton Ave., Canoga Park, CA 91303  
818-883-7043 (Phone) 818-883-6103 (Fax)

[tagold@nwc.net](mailto:tagold@nwc.net)

[WWW.TECH-ASSOCIATES.COM](http://WWW.TECH-ASSOCIATES.COM)

Divisions of  US NUCLEAR CORP

# RADON MONITOR

## 氡监测器

Model – PTG-9-RN

### DESCRIPTION: 说明

TA's PTG-9-RN Radon Monitor is a sensitive, rugged, portable instrument for detection and measurement of airborne radon. Its' subtractive balanced chamber electro - meter circuit decreases background effects to negligible levels and its deionized and filtered intake reduces to negligible levels spurious effects from smoke, dust and existing ionization in the air.

TA 公司 PTG-9-RN 氡监测器是一款灵敏，结实便携仪器用于检测和测量气溶胶氡。减平衡电离室静电计电路本底的影响减少到可以忽略的水平，其去离子和过滤了进气将烟雾，尘土和空气中现存离子的烟雾，粉尘和空气中的电离子的寄生效应减少到可以忽略的水平。

Inlet and outlet hoses allow monitoring interiors of fume hoods, exhaust stacks, etc. The PTG-9-A-RN will measure airborne radon as free Radon gas (with or without Radon Daughters at user's option) as low as 1 pCi/l. 进出软管允许监测到风柜和排烟道的内部。PTG-9-A-RN 将把气溶胶氡作为自由氡检测（用户选择氡或氡子体）低到 1 pCi/l.

All instruments are calibrated at the factory. Calibration check may be performed in the field with a microCurie level beta-gamma source. Chambers may be switched to additive operation to check linearity of response on a gamma calibration range. User friendly calibration controls are provided.

所有仪器工厂校准，校准检查可用  $\mu$ Curie 水平的  $\beta$  源在现场完成。电离室要调节到添加操作位置以便检查  $\gamma$  标定中线性响应。提供用户友好标定控制程序。

### SPECIFICATIONS:

- Ranges:** Large, easy to read digital LED readout. Two ranges cover six decades: 2pCi/L - 2 $\mu$ Ci/L (74Bq/m<sup>3</sup> to 74 MBq/m<sup>3</sup>.)
- 量程:** 大而易读数字 LED，2 量程涵盖 6 个量级  
2pCi/L - 2 $\mu$ Ci/L  
(74Bq/m<sup>3</sup> - 74 MBq/m<sup>3</sup>.)
- Background:** Essentially eliminated by subtractive balanced chambers.
- 本底:** 本底基本被平衡电离室扣除
- Smoke, Dust and Ion Elimination:** Filter and deionizer reduce effects to negligible level.
- 烟雾，尘土和离子清除:** 过滤器和去离子装置把影响降低到可以忽略的程度
- Circuit:** Electrometer circuit amplifies net difference between a two liter radon internal chamber and a sealed background chamber of similar configuration.
- 电路:** 静电计电路放大了相同结构的 2 升内置氡室和密封本底室净差
- Alarms:** Low Air Flow / Alarm High Level Alarm: Red Lamps & Audio Alarm.
- 报警:** 低流量和高限报警：红灯和声音报警
- Controls:** Front Panel Off-On Range Switch Calibrate Switch. Alarm Set Button, Alarm Reset Button.
- 控制:** 仪表盘：开-关，量程开关，标定开关，报警设置按钮，报警重设按钮



**TECHNICAL ASSOCIATES**  
**OVERHOFF TECHNOLOGY**

7051 Eton Ave., Canoga Park, CA 91303  
818-883-7043 (Phone) 818-883-6103 (Fax)

[tagold@nwc.net](mailto:tagold@nwc.net)

[WWW.TECH-ASSOCIATES.COM](http://WWW.TECH-ASSOCIATES.COM)

Divisions of  US NUCLEAR CORP

# RADON MONITOR

## 氡监测器

### Model – PTG-9-RN

- **Calibration:** Internal calibration with Radon gas, or on a calibration course, or (at a single point) with optional Beta-Gamma source.
- 刻度: 可用氡气内部标定, 或在操作台上标定, 或(单点)用 $\beta$ - $\gamma$ 源标定
- **Printer:** DB-9 Plug is furnished for optional external serial printer.
- 打印机: DB-9 接口用于外接串口打印机
- **Computer Port:** RS-232 serial port is built in (fully addressable).
- 电脑接口: RS-232 串口, 内置(全寻址)
- **Portability:** Carrying handle & optional loops for shoulder sling.
- 便携性: 带提手, 可选择肩带
- **Case:** Deep drawn aluminum case, handle, gasket lid, easy clean anodized finish.
- 外箱: 深拉铝箱, 带提手和垫衬箱盖, 容易清洗阳极氧化抛光面

### DIMENSIONS:

- **Including handle:** 9" W x 13" L x 9" H
- 包括把手:
- **Front Panel:** 13" L x 9" W
- 前板:
- **Weight:** 12 lbs
- 重量:
- **Shipping weight:** 15 lbs
- 邮寄重量:

### 尺寸:

### ELECTRONICS

- **Battery:** 12V 7 A/hr rechargeable sealed. Panasonic LCR12V1 BPN or equivalent.
- 电池: 12V 7A/小时可充电密封电池, 松下 LCR12V1 BPN 或当量
- **Battery Life:** 20 hours between changes. Built In Battery Charger.
- 电池寿命: 每次充电 20 小时, 内置充电器

### 电子学

### ACCESSORIES & OPTIONS:

### 配件和选购项:

- **RAL-3A:** Remote Alarm (audible & visual)  
Model #RAL-3A (including 25 ft. of cable). Can be used to 500 ft.
- **RAL-3A:** 远程报警(视听), 包括 25 英尺缆线, 可延长到 500 英尺
- **iServe-7:** Built-in internet / Ethernet server.
- **iServe-7:** 内置因特网/以太网服务器



## TECHNICAL ASSOCIATES OVERHOFF TECHNOLOGY

7051 Eton Ave., Canoga Park, CA 91303  
818-883-7043 (Phone) 818-883-6103 (Fax)

[tagold@nwc.net](mailto:tagold@nwc.net)

[WWW.TECH-ASSOCIATES.COM](http://WWW.TECH-ASSOCIATES.COM)

Divisions of



US NUCLEAR CORP

# RADON MONITOR

## 氡监测器

### Model – PTG-9-RN

- **HTR-7:** Heated Ion Chambers
- **HTR-7:** 加热电离室
- **WIN-W:** Win-Wedge data logging software for users portable PC.
- **WIN-W:** 数据录入软件用于用户便携式 PC 机
- **MPM-40DT:** Serial Printer with date and time stamp.
- **MPM-40DT:** 串口打印机，带时间和日期



## TECHNICAL ASSOCIATES OVERHOFF TECHNOLOGY

7051 Eton Ave., Canoga Park, CA 91303  
818-883-7043 (Phone) 818-883-6103 (Fax)

[tagold@nwc.net](mailto:tagold@nwc.net)

[WWW.TECH-ASSOCIATES.COM](http://WWW.TECH-ASSOCIATES.COM)

Divisions of



US NUCLEAR CORP