

**RADIATION CONTROL MONITOR**  
**辐射控制监测器**  
**EXIT/DOORWAY MONITOR PACKAGE/MAIL MONITOR**  
**出入口监测器，包裹/邮件监测器**  
**VEHICLE MONITOR LAUNDRY MONITOR**  
**车辆监测器 洗衣房监测器**  
**Model # FM-9W**

**FEATURES:特点**

- MULTI-CHANNEL SYSTEMS 多通道系统
- STOP ENTRY OF RADIOACTIVE ITEMS 阻止辐射污染物件进入
- HIGHLY SENSITIVE (50 DETECTOR MODELS)高灵敏 ( 50 款探头型号 )
- ALARMS WITH DETECTION OF RADIATION 检测到辐射报警
- RELAY CONTROL CAN LOCK DOORS, TRIGGER A SIREN OR AUTODIALER OR E-MAIL  
继电器控制可锁门，触发报警器或自动拨号或发邮件报警



**Serves Many Needs:** To maintain control of Radioactive Materials it is absolutely essential to control and to know **when** and **where** radioactivity is entering or leaving the area where it is used. Two of the many FM-9W systems; Model FM-9W /PGS-3 and FM-9W/PGS-3L are high sensitivity monitors which are easily placed at entrance and exits and other strategic locations to act as:

服务不同需求：为了控制放射性材料，控制并知晓何时何地辐射进入和离开使用地绝对关键。FM-9W 系列中的两款，即 FM-9W /PGS-3 和 FM-9W/PGS-3L 为高灵敏监测器，很容易安装在出入口或其它战略位置。

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<b>FUNCTION 功能</b>	<b>DETECTS 检测</b>	<b>PLACEMENT 安装放置</b>
1.EXIT/DOORWAY MONITOR 出入口/门道监测器	Alarms when radioactivity is carried through an exit or doorway 当辐射通过出入口时报警	Mount to top or side of door frame or mount to wall. 安装在门框上或旁边，或墙上
2. HAND AND SHOE MONITOR 手和鞋监测器	Checks hands and shoes for contamination. 检测手和鞋污染	Floor standing cabinet or wall and table mount 安装在立式机柜、墙或桌子上
3. VEHICLE MONITOR 车辆监测器	Alarms when vehicle carrying radioactivity stops at guard house. 当载有辐射物的车辆停在警卫室处时报警	Mount on posts on either side of facility entrance road Requires weather-proof probe housing + long cables. 安装在设施入口任何一边的柱子上，要求带外罩的防雨探头，加长缆线
4.LAUNDRY MONITOR 洗衣房监测器	Detects contaminated garments. 探测污染了的衣物	Mount above sorting table or optional conveyor belt. 安装在分拣台或传送带上（选购）
5. RADIATION RELEASE MONITOR for FUME HOODS 通风柜辐射排放监测器	Alarms when radioactivity is released into fume hood exhaust. 当辐射排放到通风柜排放时报警	Mount inside or on top of fume hood filter enclosure. 安装在通风柜过滤器外壳的顶部或里面

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**TECHNICAL ASSOCIATES**

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6. MOBILE RADIATION LABORATORY 手机辐射实验	Measures Radiation from fixed sources or from other vehicles. 测量来自固定源或其它车辆辐射	Small unit sits in front seat or trunk. Large unit slides into rear of van or truck 小仪器放在前座或尾箱 大仪器推入箱车或尾箱
7. PACKAGE/MAIL MONITOR 包裹/邮件监测器	When properly installed, checks all mail and packages. 一旦正确安装，检测所有邮件包裹	Mount to sorting table, mail conveyor or door frame where mail baskets enter. 安装在分拣台，邮件传输带或门框上等邮件进入的地方
8. CAM-AIR/STACK MONITOR 空气/烟囱道监测器	Tests stack gases, room air, etc. for a variety of contaminants. 检测烟道气体，房间气体等，适用于各种辐射污染物	Mounted in rack or wheeled cabinet. Includes detectors, shields and pumps 安装在机架或带轮机柜中，包括探头，屏蔽和泵
9. MULTI-DETECTOR AREA MONITOR 多探头区域监测	Gamma and/or PET or Neutron Detectors $\gamma$ 和/或 PET,或中子探头	Wall mounted detectors, local and/ or remote display and alarms 壁挂式探测器，本地和/或远程显示和报警
10. REAL-TIME DRINKING WATER MONITORS 实时饮用水监测器	Measurement alpha, beta, gamma to EPA PAG protective action level 测量 $\alpha$ - $\beta$ - $\gamma$ ，达到 EPA PAG 保护性行动标准	Free standing cabinet 立式机柜中
11. LIQUID SCINTILLATION 液体闪烁体	Very sensitive Alpha-Beta-Gamma or Tritium LSC systems 对 $\alpha$ - $\beta$ - $\gamma$ 或氚非常敏感的 LSC 系统	Lab. Bench model or portable unit mounted inside carrying case 实验室、长椅或便携仪器放在提箱内
12. MULTI-DETECTOR ARRAY 多探头排列	In door or outdoor system 室内外系统	As needed to fit specific use 按照需要，适应特殊用途
13. REAL TIME WATER OR LIQUID EFFLUENT MONITORS 实时水液体排放物监测	Test liquid discharge from pipes discharge channel soil or pond 测试管道，土壤或池塘流出液体	Systems available with submersible probe or with real-time continuous sampling pump 供应带浸入式探头的或带实时连续监测样品泵的系统

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**Model # FM-9W**

**DESCRIPTION: 描述**

The FM-9W radiation control monitors are rugged and easy to use for laboratory or individual application. Operated by AC mains or by rechargeable batteries. Batteries are automatically put in charge when FM-9W is plugged into the line. These instruments can be used with all the standard Technical Associates P and P-S series probes, Geiger and scintillation. They provide versatility and dependability at low cost. They find frequent use as lab monitors, exit monitors or as area monitors and are also suitable for many other uses. (See Chart).

FM-9W 辐射控制监测器结实耐用，方便实验室或个人使用，AC 或可充电电池供电。当 FM-9W 插入电源后，电池自动充电。这些仪器可适用标准 TA 公司 P 或 P-S 系列探头，Geiger 或闪烁探头。它们具有低成本，多功能，可靠性特点。经常用作实验室、出口或区域监测器，也适用其它用途（见表）。

**Available Options Include:**

Read-out units and range per customer requirements; mR/h, Sv/h, microCuries/ml, etc. Computer interface; RS-232, ethernet, etc. or complete data logging and acquisition systems.

提供选购包括：读出单位，量程（根据每个用户要求）；mR/h, Sv/h, microCuries/ml 等，计算机接口；RS-232，以太网等，或完整的数据录入和收集系统。

**SPECIFICATIONS:规格**

•Engineering Units: User can input correct conversion factor and change to any units.

技术单位：用户可输入正确换算系数，转换成任何单位。

•Controls: Front Panel: On-Off, Alarm-mute, Rate, Integrate, Reset.

控制：前板，开-关，静音，数率，整合，重置。

•Recessed or Internal: Discriminator level, high voltage. Other adjustable settings: See calibration.

嵌入式或内置：鉴别器级别，高压。其它可调整设定：见“校准”

•Detectors: Any GM (such as P-13, P-15, P-6LB, etc.) or alpha, beta, gamma or neutron scintillator (as PAS-8, PAS-9, PGS-3, PNS-19, etc.).

探头：任何 GM 管（如 P-13, P-15, P-6LB 等）或 $\alpha$ - $\beta$ - $\gamma$ 或中子闪烁体，如 PAS-8, PAS-9, PGS-3, PNS-19 等。

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•Probe Holder: Probe Holder is provided for probe purchased.

探头托架：买探头，提供探头托架

•Input Sensitivity: Adjustable from less than 1 millivolt to 100 millivolt

输入灵敏：可调整，从小于 1 毫伏到 100 毫伏

•Anti-saturation and Dead-time Corrections are available.

提供防饱和度和死时间校正

•Alarm: 2000 Hz audio tone with audio “mute” switch + RED LIGHT, high current relay. 0-100% of full scale.

报警：2000 Hz 音频，带音频静音开关，加红灯报警，高电流继电器，0-100%满程

•Serial Output: Two way USB standard, Ethernet optional.

串行输出：两路标准 USB，以太网选购

•Power: 105-125 volts, 50-60 Hz (220 V optional)

电源：105-125V，50-60 Hz，( 220V 可选 )

•Construction: Gasketed aluminum case.

结构：密封铝外箱

•Weight: 3 lbs. (1.4kg) including batteries and hardware, but excluding probe.

重量：3 磅 ( 1.4kg )，包括电池和硬件，但不包括探头。

•Console Dimensions: 13.5" W x 11" H x 3.6" D (25cm x 18cm x 10cm) excluding probe holder, feet, knobs.

主机尺寸：13.5" 宽 x 11" 高 x 3.6" 深 (25cm x 18cm x 10cm)，不包括探头托架，脚和把手。

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**CHOOSE ANY TA OR COMPATIBLE PROBE:**

**选择任何 TA 或其它兼容探头**



•Over 50 different T/A probes and sample counter detectors

超过 50 款不同 TA 探头和样品计数器探头

Probe holder supplied - no charge if probe and FM-9W purchased together

提供探头托架，如果同时购买探头和 FM-9W，托架免费

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DESCRIPTION 描述	RADIATION DETECTOR 辐射探头
A.PG -LB. Low background GM PG -LB 低本底 GM	Alpha, Beta Gamma. X-ray $\alpha$ - $\beta$ - $\gamma$ 和 X 射线
B.PAS-9.100cm <sup>2</sup> Scintillator PAS-9 .100cm <sup>2</sup> 闪烁体	Alpha $\alpha$
C.PGS-3 Scintillator PGS-3 闪烁体	Beta, Gamma $\beta$ - $\gamma$
D.COL-3S Collimator COL-3S 闪烁体	NA NA
E.PLS-04. Wound Monitor PLS-04. 伤口显示器	Pu-239 Pu-239
F1. IC-1 Ion Chamber IC-1 电离室 F2. IC-2 Ion Chamber IC-2 电离室 F3.DMU-1000. Submersible Ion-Chamber DMU-1000.浸入式电离室	Beta, Gamma, X-Ray $\beta$ - $\gamma$ , X 射线 Gamma Area Monitor $\gamma$ 区域监测器 Nuclear Plant Fuel Rods 核电厂燃料棒
G. P-15 Surface Monitor GM P-15 表面监测器 GM 管	Alpha, Beta, Gamma, X-ray $\alpha$ - $\beta$ - $\gamma$ 和 X 射线
H. STB-TF-6. Sample Counter STB-TF-6 样品计数器	Tritium,C-14 氚 , C-14
I.TS-26 Surface Monitor TS-26 表面监测器	Tritium,C-14 氚 , C-14
J. PN-13 Rem Ball PN-13 Rem Ball	Neutrons 中子
K. Silicon (Not Shown) 硅 ( 未显示 )	High Flux Beta-Gamma 高通量 $\beta$ - $\gamma$



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