

RADIATION CONTROL MONITOR

辐射控制监测器

EXIT/DOORWAY MONITOR VEHICLE MONITOR

出口/通道监测器
车辆监测器

Model - LAM-10D/PGS-3 & LAM-10D/PGS-3L

PACKAGE/MAIL MONITOR LAUNDRY MONITOR

包裹邮件监测器
洗衣房监测器

FEATURES: 特点

- ❖ STOP ENTRY OF RADIOACTIVE ITEMS
- ❖ 阻止辐射物进入
- ❖ DETECTS BETA-GAMMA RAYS
- ❖ 检测 β - γ 射线
- ❖ HIGHLY SENSITIVE 2" X 2" CRYSTAL (PGS-3L)
- ❖ 高灵敏2" X 2"晶体 (PGS-3L)
- ❖ ALARMS WITH DETECTION OF RADIATION
- ❖ 探测到辐射报警
- ❖ RELAY CONTROL CAN LOCK DOORS, TRIGGER A SIREN OR AUTODIALER
- ❖ 继电器控制可锁门, 触发警报或自动拨号



APPLICATION: 应用:

Maintaining control of Radioactive Materials is absolutely essential and to know **when** and **where** radioactivity is entering or leaving the area where it is used. **TA Models LAM-10D/PGS-3 and LAM-10D/PGS-3L** are high sensitivity monitors, easily placed at entrance and exits and other strategic locations to act as:

知道污何时何处进入或离开使用地点对于控制辐射物极其重要, TA型号**LAM-10D/PGS-3**和**LAM-10D/PGS-3L** 为高度灵敏监测器, 容易安装在入口出口及其它地点



TECHNICAL ASSOCIATES OVERHOFF TECHNOLOGY

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Divisions of  US NUCLEAR CORP

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Model - LAM-10D/PGS-3 & LAM-10D/PGS-3L

| FUNCTION功能 | DETECTS探测 | PLACEMENT安装 |
|---|---|--|
| 1. EXIT/DOORWAY MONITOR 出口/通道监测器 | Alarms when radioactivity is carried through an exit or doorway. 当辐射污染物通过出口或通道时报警 | Mount to top or side of door from or mount to wall. 安装到门框上端或两侧或安装到墙上 |
| 2. PACKAGE/MAIL MONITOR 包裹/邮件监测器 | When properly installed, checks all mail and packages. 正确安装后, 检测所有邮件和包裹 | Mount to sorting table, mail conveyor, or door frame where mail baskets enter. 安装到分拣台, 邮件传送带或邮件进入的门框上 |
| 3. VEHICLE MONITOR 车辆监测器 | Alarms when vehicle carrying radioactivity stops at guard house. 当运载辐射污染物的车辆停在门卫处是报警 | Mount on posts on either side of facility entrance road. Requires weather-proof probe housing and long cables. 安装到设施入口两侧柱子上, 要求防潮探头外箱和长缆线 |
| 4. LAUNDRY MONITOR 洗衣房监测器 | Detects contaminated garments 检测污染了的衣物 | Mount above sorting table or optional conveyor belt. 安装在分拣台或传送带上方 |
| 5. RADITAION RELEASE MONITOR FOR FUME HOODS 通风罩辐射释放 | Alarms when radioactivity is released into fume hood exhaust. 当辐射污染物通风罩时报警 | Mount inside or on top of fume hood filter enclosure. 安装在通风罩过滤器内或上面 |



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Model - LAM-10D/PGS-3 & LAM-10D/PGS-3L

PACKAGE/MAIL MONITOR LAUNDRY MONITOR

包裹邮件监测器
洗衣房监测器

OPTIONS:选择

- SC-10-3 or SC-10-3L Shield Collimator for PGS-3 or PGS-3L probe.
带屏蔽探头准直仪
- WPPH-3 or WPPH-3L Water Proof Probe Housing
防水探头外箱
- CA-xxx Longer Cables
较长缆线
- CB-LIM Conveyor Belt for Laundry Monitoring
洗衣房监测传送带
- Read-out units and range per customer requirements: mR/h, Sv/h, microCuries/ml, etc.
读出单位和量程可应用户要求: mR/h, Sv/h, microCuries/ml, 等等
- Computer interface; RS232, ethernet, etc.
电脑接口: RS232, 以太网等
- Complete data logging and acquisition systems
完整的数据录入和采集系统

SENSITIVITY: 灵敏度

LAM-10D/PGS-3L Detects 20 μ R/hr (0.2 μ Sv/h) above background in 2 sec: 99% confidence level.
探测本底以上 20 μ R/hr (0.2 μ Sv/h), 2 分钟内置信度到 99%

LAM-10D/PGS-3 Detects 80 μ R/hr (0.8 μ Sv/h) above background in 3 sec: 99% confidence level.
探测本底以上 80 μ R/hr (0.8 μ Sv/h), 3 分钟本底 99%

**Increased sensitivity can be obtained by optional SC-10-3 or SC-10-3L Shield-Collimators
通过使用带屏蔽准直仪 SC-10-3 或 SC-10-3L 可提高灵敏度

SPECIFICATIONS: 规格

Digital Display: Length = 6 digit rate, 8 digit total dose
Other meter scale markings are available.

数字显示: 6位数剂量率, 8位数总剂量, 可选其它读数量程

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

计量单位: 用户输入正确转换常数可换成任何单位



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Controls:

控制:

Recessed or Internal:

内凹或内置

Other adjustable settings:

其它设定:

Detectors:

探头:

Probe Holder:

探头托架

Input Sensitivity:

输入灵敏度:

Anti-Saturation & Dead-time Corrections:

抗饱和电路&死时间更正:

Calibration:

标定:

Alarm:

报警:

Serial Output:

串口输出:

Pulse Output:

脉冲输出:

Batteries:

电池:

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

前板: 开-关, 报警-静音, 剂量率, 综合剂量, 重设
Discriminator level, high voltage, alarm set.

甄别器值, 高压, 报警设置

See calibration.

见校准

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

任何GM(P-13, P-15, P-6LB.), α β γ 或

中子准直仪(PAS-8, PAS-9, PGS-3, PNS-19, etc.).

Probe Holder is provided for probe purchased.

购买探头时提供

Adjustable from less than 1 millivolt to 100 millivolt

可调整范围1毫伏-100毫伏

Differentiation circuit provides highly effective compensation for
coincidence loss. This allows all five decades to accurately read
with scintillation detectors.

识别电路提供高效符合损失补偿, 所以用准直仪探头可以精确读出5
个量级

Digital input of calibration factor gives high precision adjustment.

数字输入刻度常数给出高精度调整

2000 Hz audio tone with audio "mute" switch + RED LIGHT, high
current relay. 0-100% of full scale.

2000 Hz报警音带静音+红灯, 大电流继电器, 0-100%满量程

Two way RS-232 standard, Ethernet optional.

两路RS-232标准, 以太网

Internal 1 volt positive. Other outputs and interfaces are optional.

内置1V(正)可选其它输出和接口

5 amp-Hour Battery Pack with built-in charger.

5 Ah 电池组带内置充电器



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PACKAGE/MAIL MONITOR LAUNDRY MONITOR

包裹邮件监测器
洗衣房监测器

AC-DC Digital Radiation Monitor

Model # LAM-10D

| | |
|----------------------|---|
| Construction: | NEMA-4X polycarbonate gasketed case: Rugged and splash-proof. |
| 结构: | NEMA-4X PC密封箱坚固防溅 |
| Weight: | 3 lbs. (1.4kg) including batteries and hardware, excluding probe. |
| 重量: | 包括电池、硬件3磅, 不含探头 |
| Dimensions: | LAM-10D: 10" W x 7" H x 4" D LAM-10DL: 10" W x 7" H x 6" D excluding handle, probe holder, feet, knobs. |
| 尺寸: | LAM-10D: 10" 宽 x 7" 高 x 4" 深 LAM-10DL: 10" 宽 x 7" 高 x 6" 深 不含把手, 探头托, 脚, 提手 |

OPTIONAL VERY LARGE LED DISPLAY

可选择大屏幕显示

MODELS: LDS-2 16" LONG X 4" HIGH LDSS-4 26" LONG X 8" HIGH Connects directly to most TA products with Serial Output
型号LDS-216" 长X 4"高, LDSS-4 26"长X 8"高可直接通过串口用于大多数TA产品

- 2.25" or 4" High Red LED Digits
红色LED数字2.25"或4"高
- Displays up to 6 Digits of Serial ASCII Data Alternating Displays
6位数串口ASCII数据显示
- Selectable RS232 or RS485 Serial Interface
可选RS232或RS485串口
- Dual Buffer allows alternating display message
双缓冲允许交换显示信息
- AC or DC Powered
AC或DC供电
- Aluminum NEMA 4X/IP65 Case Construction
铝NEMA4X/IP65标准外箱



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