

AC-DC DIGITAL RADIATION MONITOR

AC-DC 数字辐射监测仪

Model Series - LAM-10D & LAM-10 DL

FEATURES: 特点

- ❖ 6 DIGIT READ-OUT
- ❖ 6位读数
- ❖ GAMMA REJECTION
- ❖ γ 抑制
- ❖ VERSATILE APPLICATION
- ❖ 多用途
- ❖ WALL MOUNT OR PORTABLE
- ❖ 壁装式或便携式
- ❖ AC OR BATTERY -RECHARABLE
- ❖ AC电源或可充电电池
- ❖ 5 DECADES
- ❖ 5数量级
- ❖ RECORDER OUTPUT
- ❖ 记录器输出
- ❖ SETTABLE ALARM -BEEPER FLASHER
- ❖ 可设定报警-蜂鸣器闪灯
- ❖ LARGE DISPLAY READ-OUT
(LAM-10-DL)
- ❖ 大屏幕显示读数 (LAM-10-DL)
- ❖ DATA DOWNLOAD VIA RS-232
- ❖ 数据下载接口RS-232
- ❖ **OPTIONAL** – USB
- ❖ 选择-USB



APPLICATION: 应用

- The LAM-10D series instruments utilize all the standard Technical Associates P and P-S series probes, Geiger and scintillation probes.
- LAM-10D 系列仪器使用标准 TA 公司 P 系列和 P-S 系列探头，盖革计数管和闪烁探头。
- These probes provide versatility and dependability at low cost.
- 这些探测器低成本，多用途，可靠性。



TECHNICAL ASSOCIATES OVERHOFF TECHNOLOGY

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Divisions of



US NUCLEAR CORP

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- These instruments are popular in use as lab monitors, exit monitors or as area monitors.
- 这些仪器用于实验室、出口监测器或区域监测器非常受欢迎
- They are also suitable for survey or contamination work.
- 也适用于巡查或污染排查任务

DESCRIPTION: 描述

- The LAM rate-meters are rugged and easy to use for laboratory or field application.
- 此 LAM 计数仪非常坚固，易于使用于实验室或现场
- Operated by AC mains or by rechargeable batteries.
- AC 供电或使用可充电电池
- Batteries are automatically put in trickle charge mode when LAM is plugged into the line.
- 当 LAM 仪器接通电源后，电池自动进入涓流充电模式
- Use with any TA or compatible probe
- 可与 TA 公司探头或其它兼容探头一同使用

SPECIFICATIONS: 规格

RANGES: Choose any probe below or any TA or compatible probe. Some choices include:

量程：选择以下任何一款TA公司探头或其它兼容探头，包括：

PROBE 探头	DESCRIPTION 描述	RANGE 量程						UNITS 单位
ALL PROBES 所有探头	ALL PROBES 所有探头	0.1	1	10	100	1,000	10,000	cps
GM GM管探头	Thin window Alpha-Beta, Gamma, X-ray, 薄窗 α - β , γ , X-ray							
P-15	2" dia Pancake 直径2"扁平管		.02	.2	2	20	200	mR/h
P-6LB	Low background 低本底		.1	1	10	100	1,000	mR/h
SCINTILLATOR 闪烁体探头	GAMMA SCINTILLATION 伽马闪烁探头							
PGS-3T	Low Energy Gamma 低能伽马			.01	.1	1	10	mR/h
PGS-3I	Low/mid Energy Gamma 低/中能量伽马			.03	.3	3	30	mR/h
BGS-2505	Low Energy BGO probe 低能BGO探头			.01	.1	1	10	mR/h
PNS-20	Neutron Scintillator 中子闪烁体	0.1	1	10	100	1000	10,000	n/cm ² /s



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OPTIONS: 选项

- Read-out units and range per customer requirements: mR/h, Sv/h, microCuries/ml, etc.
读出单位和量程用户决定: mR/h, Sv/h, microCuries/ml, 等等.
- Computer interface; RS232, ethernet, etc.
电脑接口:
- Complete data logging and acquisition systems
完整数据录入采集系统

SPECIFICATIONS:

Digital Display:

数字显示:

Engineering Units:

计量单位:

Controls:

控制:

Recessed or Internal:

内凹或内置:

Other adjustable settings:

其它可调整设定:

Detectors:

探测器:

Probe Holder:

探头托架:

Input Sensitivity:

输入灵敏度:

Anti-Saturation & Dead-time Corrections:

抗饱和&死时间修正:

Calibration:

标定:

Alarm:

报警:

规格

Length = 6 digit rate, 8 digit total dose

Other meter scale markings are available.

6位数计数率, 8位数总剂量, 可选其它仪表刻度

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

用户输入正确转换因数换算成任何单位

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

前板: 开-关, 报警-静音, 计数率, 综合剂量, 重设

Discriminator level, high voltage, alarm set.

识别仪水平, 高压, 报警设定

See calibration.

见标定

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管 (P-13, P-15, P-6LB, 等.)或 α β γ 或中子闪烁体(PAS-8, PAS-9, PGS-3, PNS-19, 等等).

Probe Holder is provided for probe purchased.

购买探头时提供

Adjustable from less than 1 millivolt to 100 millivolt

小于1毫伏-100毫伏间可调整

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

微分电路提供高效符合损失补偿, 也允许全部5数级精确读出GM探头读数

Digital input of calibration factor gives high precision adjustment.

校准因数数字输入允许高精度调整

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

2000 Hz 音频带静音旋钮+红灯, 大电流继电器, 0-100%全刻度



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Serial Output:	Two way RS-232 standard, Ethernet optional.
串口输出:	两路标准RS-232, 可选以太网
Pulse Output:	Internal 1 volt positive. Other outputs and interfaces are optional.
脉冲输出:	内置正1V, 可选其它输出和接口
Batteries:	5 amp-Hour Battery Pack with built-in charger.
电池:	5安培-小时, 带内置充电器电池组
Battery Life:	100 Hours in Non Alarm Status 18 Hours in Alarm Status
电池寿命:	无报警情况下100小时, 报警状态下18小时
Power:	105-125 volts, 50-60 Hz (220 V optional)
电源:	
Construction:	NEMA-4X polycarbonate gasketed case: rugged and splash-proof.
结构:	NEMA-4X PC密封箱, 结实防水溅
Weight:	3 lbs. (1.4kg) including batteries and hardware, excluding probe.
重量:	包括电池和硬件, 不含探头3磅 (1.4公斤)
Dimensions:	LAM-10D: 10" W x 7" H x 4" D
尺寸:	LAM-10DL: 10" W x 7" H x 6" D excluding handle, probe holder, feet, knobs. 不含把手, 探头托, 脚和把手



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