

SAMPLE COUNTING SYSTEM

样品计数系统

For WIPES, FILTERS, PLANCHETS
适用于擦拭型、滤网型和圆片型

MODELS: 型号

- MODEL # STAM-2

ALPHA SCINTILLATION
SYSTEM

型号 STAM-2, α 闪烁系统

- MODEL # STG-4

BETA-GAMMA
SCINTILLATION SYSTEM

型号 STG-4, β - γ 闪烁计数系统

- MODEL # STG-4T & STG-4TP

LOW ENERGY GAMMA
SCINTILLATION SYSTEM

型号 STG-4T & STG-4TP,

低能 γ 闪烁系统

- MODEL # STB-3

BETA-GAMMA GM SYSTEM

型号 STB-3, β - γ GM 管系统



STAM-2



STB-3

The STAM-2 Alpha Scintillation system combines a modified PAS-8 Alpha Scintillation Probe plus TM-2 Detector stand and drawer system for sample containment. 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 STB-3 Beta-Gamma GM System substitutes a modified P-11 Pancake probe for the alpha scintillation detector. It also deletes the protective aluminum grill normally included in the probe to increase sensitivity to low energy Betas.

型号 STAM-2 α 闪烁系统结合了改进后的 PAS-8 α 闪烁探头, 加 TM-2 探头座和抽屉取样系统。在这个探测系统中, 正常安装在 PAS-8 保护圈和格栅被拆除以增加 α 辐射灵敏度。STB-3 β - γ GM 系统用改进后的 P-11 扁平探头替换了 α 闪烁探头, 并拆除了正常安装在探头内的保护铝格栅以增加低能 β 灵敏度。



TECHNICAL ASSOCIATES

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The sensitivity of the STAM-2 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. The sensitivity of the STB-3 to Betas of energy 60 KeV and up ranges from 30% to 100% of 2 pi depending on energy of beta and backing material. Background is typically 30-50 counts/minute. Sample cavity is 2-1/16" diameter x 3/8" deep.

STAM-2 对于 5 MeV 的 α 的灵敏度为典型 2π 的 80-85%。对 β - γ 完全不敏感。本底典型少于每分钟计数一次。STB-3 对 60KeV 及以上能量 β 灵敏度为 2π 的 30% to 100%，视 β 能量和衬底材料而定。本底典型 30-50 计数/分钟，样品腔为直径 2-1/16" x 3/8"深

Particle 粒子	Alpha	Beta	Lo-Gamma	STG-4 + Preamp	Neutron
Model: 型号	STAM-2	STB-3	STG-4	STG-4TP	STM-5N
Dimensions: 尺寸	3-1/2" x 4-1/2" x 10"	3-1/2" x 4-1/2" x 4"	3-1/2" x 4-1/2" x 10"	3-1/2" x 4-1/2" x 13"	3-1/2" x 4-1/2" x 10"
Shielding: 屏蔽	none	1" lead	1" lead	1" lead	optional
Weight: 重量	3-1/2 lbs	7-1/2 lbs	7-1/2 lbs	7-1/2 lbs	4 lbs
Shipping Weight: 邮寄重量	8 lbs	12 lbs	12 lbs	12 lbs	8 lbs

The STAM-2 and STB-3 are compatible with Technical Associates Model FS-8 series Scalers and Ratemeters of the FM-5 series 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 MHV (Optional BNC).

STAM-2 和 STB-3 和 TA 公司 Model FS-8 系列定标器和 FM-5 系列计量仪或任何其它高质量的高压范围在 +700 - 1200 V，接受 200 MEG 源 100mV 负脉冲的定标器和计量仪兼容，接口 MHV（可选 BNC）。

STG-4 combines PGS-3; 1" x 1" NaI probe with TM-2.

STG-4 和 PGS-3 组合: 1" x 1" NaI 探头，带 TM-2

STG-4T combines PGS-3I; 37mm x 2mm NaI probe with TM-2 and 1" lead shielding.

STG-4T 与 PGS-3I 组合; 37mm x 2mm NaI 探头，带 TM-2 和 1" 铅屏

STG-4TP combines PGS-3IP; 37mm x 2mm NaI probe with TM-2 and preamp and 1" lead shielding.

STG-4TP 与 PGS-3IP 组合; 37mm x 2mm NaI 探头，带 TM-2,前置放大器和 1" 铅屏



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