

SURFACE CONTAMINATION MONITOR

表面污染监测器

Model # TBM-3

Model # TBM-3S

Model # TBM-3SR

FEATURES: 特点

- SENSITIVE TO ALPHA, BETA & GAMMA

对 α - β - γ 敏感

- ONE HAND OPERATION

单手操作

- BUILT-IN SPEAKER

内置扬声器

- ANTI SATURATION CIRCUIT

防饱和电路

- LARGE 2" PANCAKE DETECTOR

直径 2" 大扁平型探头

- BETA SHIELD/WINDOW

β 屏蔽/窗

PROTECTION (TBM-3SR Only)

带保护 (仅限 TBM-3SR)



DESCRIPTION: Small three range Ratemeter with built -in 2" diameter pancake tube and speaker. Reads out in counts per minute (and mR/h). Thin window recessed and protected by sturdy grill. TBM-3SR has sliding methacrylate beta shield which also acts as additional protection for thin GM tube window. Instrument will see alpha, beta, and gamma radiation. Anti saturation circuit will not fall below full scale high fields. Tested to 100 R/h.

说明: 小巧三量程率表, 内置直径 2" 扁平管和扬声器, 每分钟读数。内嵌式薄窗, 外设坚固栏栅, TBM-3SR 带有推拉 β 屏蔽, 也是薄 GM 管窗的额外保护。仪器可见 α - β - γ 辐射, 防饱和电路将不低于高场满程, 测量到 100 R/h

APPLICATION: Its small size, light weight, one hand operation, and large detector area make this a very useful monitor for surveying bench tops or checking hands, clothes, and fingertips for almost any radioactive contamination. Excellent for Fire Department, Ambulance, Police, First Response, and U.S. Custom Personnel use for surveying people, cars, luggage, surface of rooms, etc...

应用: 此仪器小巧, 轻量, 单手操作, 测量面积大, 非常合适于检查长凳表面, 手、衣服、指尖上的任何辐射污染物, 极其适用于消防部门、急救、警方、第一响应, 也适合于美国海关人员用来检查人员、车辆、行李和房间表面等。

EXPERTS RECOMMEND TBM-3SR FOR FIRE DEPARTMENT USE ON EVERY FIRE ENGINE.

专家推荐消防部门在每一辆消防车上使用 TBM-3SR。

TA **TECHNICAL ASSOCIATES**
7051 ETON AVENUE * CANOGA PARK, CA 91303 TELEPHONE (818) 883-7043 * FAX(818) 883-6103
tagold@nwc.net www.tech-associates.com

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SPECIFICATIONS:规格

Meter: 率表

TBM-3: 2-1/2" Rectangle.

TBM-3: 长方形 2.5"

TBM-3S & TBM-3SR: 2-1/2" Ruggedized.

TBM-3S & TBM-3SR: 2.5", 加固

•Ranges: 3 ranges, linear: 0-500; 0-5,000; 0-50,000 cpm (0-;15; 1.5; 15 mR/h).*
量程: 3 量程, 线性: 0-500; 0-5,000; 0-50,000 cpm (0-;15; 1.5; 15 mR/h).

•Switch Positions: Off, Battery Test, X100, X10, X1.
开关状态: 关, 电池测试, X100, X10, X1.

•Audio: 音响

TBM-3: internally mounted speaker.

TBM-3: 内置扬声器

TBM-3s & TBM-3SR: Sonalert with Volume Control.

TBM-3s & TBM-3SR: Sonalert 音响, 带音量控制

•Detector: T-1190 "pancake GM tube". 探头: T-1190 "扁平 GM 管"

•Diameter: 2"; 5cm. 直径: 2"; 5cm

•Window Diameter: 1-3/4"; 4.5 cm. 窗直径: 1.75"; 4.5 cm

•Window Thickness: 1.5 mg/cm². 窗厚度: 1.5 mg/cm².

•Quench Gas: Halogen for long life. 骤冷气: 长寿卤素灯

•Background: Typical 50 cpm. Thin Profile of tube (13mm) gives low background.
本底: 典型 50 cpm. 薄壁管 (13mm) 允许低本底。

•Efficiency: 100% for all Betas and Alphas that have the energy to penetrate the thin window. Gamma sensitivity nominal is 3.5 cpm/ μ R/h (based on Cs 137).
效率: 100% 测出透过薄窗的 α - β , γ 灵敏度 3.5 cpm/ μ R/h (根据 Cs 137)

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•Physical dimensions:外部尺寸

3" Wide x 5-1/4" Long x 2-1/4" High. Excluding meter and handle.

(7.6 cm x 13.3 cm x 6 cm)

3" 宽 x 5.25" 长 x 2.25 "高/(7.6 cm x 13.3 cm x 6 cm), 不包含率表和把手

•Beta Shield: TBM-3SR Model Only. Methacrylate 0.125", 3.1 mm.

β 屏蔽: 仅限 TBM-3SR, 甲基丙烯酸酯 0.125", 3.1 mm.

•Calibration: Single master calibration pot as well as individual calibration pots for each range.

校准: 单一主校准电位计, 每个量程有单独校准电位计。

•Power: 9 volt ``transistor" battery; Eveready 1222, or equivalent.

电源: 9 伏晶体管电池, 永备 1222, 或当量电池

•Battery Life: 100 hours in normal operation.

电池寿命: 正常使用 100 小时

•Handle:把手

Swivel type, polished anodized aluminum.

(Optional Detachable Handle TBM-3SR(DL) Upon Request.)

旋转式, 抛光电镀铝

•Weight: 22 oz; 625 gm 重量: 22 oz; 625g

- Option c/s, $\mu\text{Sv/hr}$ meter scale (SI Units). 可选择, c/s, $\mu\text{Sv/hr}$ 率表

See ``Beta Pancake Response" specification (BETA PANCAKE RESPONSE).

见 “β 扁平管反应” 规格(BETA PANCAKE RESPONSE).

Fire Fighters: TBM-3SR is available with the “Background x 10” meter scale, replacing the mR/hour or a single Counts Per Minute Scale or mR/hr Scale. (Upon Request)

消防员用: 供应 TBM-3SR, “本底 x 10” 率表定标, 取代 mR/hour 或每分钟单计数定标, (根据要求)

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