

BETA & GAMMA SURVEY METER

β & γ 巡测仪

Model ~ TBM-20S

FEATURES: 特点

- SENSITIVE TO BETA & GAMMA
对 β & γ 灵敏
- ANALOG
模拟
- 3 RANGES
3量程
- ONE HAND OPERATION
单手操作
- BUILT-IN SPEAKER
内置扬声器
- ANTI SATURATION CIRCUIT
防饱和电路
- BETA SHIELD/WINDOW PROTECTION
 β 遮板/窗保护
- IP 63
防护等级
- CE MARK
CE认证



DESCRIPTION: 描述

- Small three range Ratemeter with built -in GM tube and speaker.
小巧三量程测量仪带内置GM管和扬声器
- Reads out in $\mu\text{Sv/h}$ (or mR/h).
读出单位 $\mu\text{Sv/h}$ (或 mR/h).
- Recessed thin window protected by sturdy grill & has sliding methacrylate Beta shield.
内凹式薄窗由结实格栅保护，并且带滑动式 β 遮板防护
- Instrument will see beta, and gamma radiation.
仪器可见 β ， γ 辐射
- Anti-saturation circuit will not fall below full scale high fields.



TECHNICAL ASSOCIATES

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Divisions of  US NUCLEAR CORP

TICKER UCLE

BETA & GAMMA SURVEY METER

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抗饱和电路在高辐射场下不会偏离满刻度线以下

- Tested to 100 R/h.

测到 100 R/h

APPLICATION: 应用

- Small, light-weight, one hand operation
小巧轻量单手操作
- Use for surveying bench tops or checking hands, clothes, and fingertips for almost any radioactive contamination.
用于桌面, 手, 衣物, 指尖上的辐射污染
- Excellent for Fire Department, Ambulance, Police, First Response, and U.S. Custom Personnel use for surveying people, cars, luggage, surface of rooms, etc...
尤其适用于消防部门, 救护, 警用, 应急响应及美国海关检测人员, 车辆, 行李及房间表面等。

SPECIFICATIONS:

规格

Meter:	2-1/2" Ruggedized.
读数器:	加固式 2-1/2"
Ranges:	3 ranges, linear: 0-;2; 20; 200 μ Sv/h.
量程:	3量程, 线性 0-;2; 20; 200 μ Sv/h.
Switch Positions:	Off, Battery Test, X100, X10, X1.
开关位置:	关, 电池测试, X100, X10, X1.
Audio:	Sonalert with Volume Control.
音响:	蜂鸣器带音量控制
Detector:	T-7 "GM tube".
探头:	
Maximum GM dimensions:	95mm L x 16 mm diameter.
最大GM尺寸:	
Effective GM dimensions:	19mm L x 16 mm diameter.



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有效GM探头尺寸

Window Thickness:	30-60mg/cm ² .
窗厚度:	
Quench Gas:	Halogen for long life.
骤冷气:	长寿卤素
Background:	Typical 10 cpm. Thin Profile of tube (1.6 cm) gives low background.
本底:	典型10cpm, 薄GM管测出更低本底
Efficiency:	100% for all Betas will penetrate the thin window.
效率:	穿透薄窗全部 β
Gamma:	Sensitivity nominal is 12 cps/mR/hr (based on Co 60).
伽马:	标出灵敏度12 cps/mR/hr
Beta Shield:	Methacrylate 0.125", 3.1 mm thick.
β 挡板	亚克力0.125", 厚3.1 mm
Calibration:	Single master calibration pot Individual cal pots for each range.
刻度:	独立主刻度电位计, 每个量程单独电位计
Power:	9 volt battery.
电源:	
Battery Life:	100 hours in normal operation.
电池寿命:	正常操作100小时
Physical dimensions:	3" Wide x 5-1/4" Long x 2-1/4" High (7.6 cm x 13.3 cm x 6 cm). Excluding meter and handle.
实际尺寸:	不含把手和读数器(7.6 cm x 13.3 cm x 6 cm).
Handle:	Swivel type, polished anodized aluminum.
把手:	旋转式抛光铝
Weight:	22 oz
重量:	



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