

THE SCINTILLATOR/PANCAKE TBM

闪烁体/扁平管 TBM

Model # TBM-6SP

FEATURES: 特点

- TWO SEPARATE DETECTORS
- 两个独立探头
- I-125 SCINTILLATION OPERATION
- I-125 闪烁计数
- ENHANCED RESPONSE FOR RADIATION FROM 5 KeV TO 250 KeV (optional BGO)
- 对 5 KeV -250 KeV 范围辐射响应增强(可选 BGO)
- PANCAKE GEIGER OPERATION INTERNAL
- 内置扁平盖革计数管
- LIGHTWEIGHT - FITS IN YOUR BRIEFCASE
- 轻量-手提箱可容纳



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Figure 1: TBM-6SP

DESCRIPTION: The TBM-6SP features an internally mounted 2 inch pancake GM detector with window looking downward from bottom of case and an external thin window/thin crystal scintillation probe for detection of I-125, Tc-99m, Co-57 and other low energy gammas. A sliding shield protects pancake detector when not in use. This system is half the weight of other systems.

描述: TBM-6SP 特点为一个内置 2 英寸 GM 探头, 箱底带窗, 一个外置薄窗/薄晶体闪烁探头用于探测 I-125, Tc-99m, Co-57 和其它低能伽马, 当闲置时一个滑动屏保护扁平管探头, 此系统为其它系统的重量一半。

SPECIFICATIONS: 规格

- Meter: Rugged, recessed 2-1/2" meter.
- 仪表: 结实, 嵌入式 2-1/2" 板式仪表



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- Ranges: 4 linear for each detector: 0-500; 5,000; 50,000; 500,000 cpm for external and 0-0.15; 1.5; 15; 150 mR/hr. for internal detector. Other scales and overlays available: Sieverts, etc.
- 量程: 每个探头 4 线性: 外置探头 0-500; 5,000; 50,000; 500,000 cpm, 内置探头 0-0.15; 1.5; 15; 150 mR/hr. 提供其它刻度和套刻尺: 希沃特等
- Range Switch Positions: Off; Battery Test; X1; X10; X100; X1,000.
- 量程开关位置: 关, 电池测试, X1; X10; X100; X1,000.
- Detector Switch (Toggle): Internal (pancake), External (scintillator)
- 探头开关 (棒式): 内置 (扁平管), 外置 (闪烁体)
- Time Constant Switch: Fast, Slow (approx. 2 & 11 sec.)
- 时间常数开关: 快, 慢 (接近 2&11 秒)
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- Detectors: 2" O.D. Pancake Geiger for internal and 1" diameter thin window/thin crystal scintillation probe with 40" removable cable for external. Nal (TI) crystal standard. BGO crystal optional.
- 探头: 外径 2" 扁平盖革管内置, 1" 薄窗/薄晶体探头带 40" 可拆卸缆线外置, Nal (TI) 标准晶体, 可选 BGO 晶体。
- Efficiency: 效率

BETA Pancake β 扁平管	C ¹⁴	40%	P ³²	98%	Exclusive of any geometry factor 排出几何因子
GAMMA γ	I ¹²⁵	87%	Co ⁵⁷	78%	Exclusive of any geometry factor 排出几何因子
Scintillation 闪烁晶体	Tc ^{99m}	75%	Cs ¹³⁷	30%	Exclusive of any geometry factor 排出几何因子

- Calibration: Single master Cal Pot for each detector, plus individual Cal Pot for each scale. Pots adjust from outside case.
- 校准: 每个探头一个单独定标电位计, 加上每个量程单独电位计
- Power: 9V Transistor battery (Eveready E1220 or equivalent). Battery life - 100 hrs. norm. operation.
- 电源: 9V 晶体管电池 (永备 E1220 或当量)。电池寿命-100 小时正常操作
- Dimensions: 3" (7.6cm) wide x 5-1/4" (13.3cm) long x 2-1/4" (6cm) deep.
- 尺寸: 3" (7.6cm) 宽 x 5-1/4" (13.3cm) 长 x 2-1/4" (6cm) 深.
- Total Weight: 2.5 lbs. (including probe and battery)
- 总重量: 2.5 磅 (包括探头和电池)
- Shipping Weight: 4.4 lbs.
- 装运重量: 4.4 磅



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