

DIGITAL FRISKER

数字搜查仪

Model ~ TBM-15-D

FEATURES: 特点

- ALPHA, BETA AND GAMMA
 α , β , γ
- LIGHTWEIGHT
轻量
- ONE HAND OPERATION
(PROBE HOLDER)
单手操作 (探头把手)
- NO RANGE SWITCHING
无需量程切换
- DETACHABLE PANCAKE PROBE
可拆卸扁平管探头
- BUILT-IN SONALERT
内置蜂鸣器
- ANTI-SATURATION CIRCUIT
抗饱和电路
- OPTIONAL: USB PORT
选择USB接口
- IP64
防护等级
- CE Mark
CE认证



DESCRIPTION: 描述

- Small Digital Ratemeter with separable 2" diameter pancake probe.
小巧数字测量仪带可分离直径2"扁平管探头
- Alpha, Beta and Gamma detection.
探测 α , β , γ
- Reads out in mR/hr (Optional μ Sv/h or cpm, cps).
读出mR/hr (可选 μ Sv/h 或 cpm, cps)
- Thin probe window is recessed and protected by sturdy stainless steel grill.



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内凹型薄探头窗由结实不锈钢格栅保护

- Anti-saturation circuit will not fall below full scale in high fields.
抗饱和电路在高辐射场下不会偏离量程
- Tested to 100 R/hr.
探测到100 R/hr
- Sonalert gives audible rate indication.
蜂鸣音给出音频计数率指示

APPLICATION: 应用

Its small size, light weight, separable probe 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.

此仪器小巧轻量探头可拆卸大探测面积，非常适合检测桌面、手、衣物、指尖上的任何污染

SPECIFICATIONS: 规格

Read-out:	Rugged 6 digit display.
读数器:	结实6位数显示
Ranges:	0.01 to 200 mR/hr, no range switching. (0-500,000 cpm)
量程:	0.01 to 200 mR/hr, 无需量程切换 (0-500,000 cpm)
Linearity:	+/- 15% of full scale with pulse generator.
线性:	脉冲信号发生器满量程+/- 15%
Battery Test:	Push button.
电池测试:	按钮
Audio:	Sonalert.
声音:	蜂鸣音
Two Time Constants:	Fast & Slow (each is user programmable) 0 to 90% of final reading.
User Settable:	2 sec to 99 seconds.
两个时间常数:	快&慢 (均可用户设定) 终值的0 - 90%，用户设定2-99秒
Detector:	探头
Type:	T-1190 2" diameter (5cm) ``pancake GM" tube.
Plateaus:	150V <10% / 100V
探头类型:	直径T-1190 2" (5cm) “扁平GM”管
Window Diameter:	1 3/4"; 4.5 cm. Area 16 cm ²
窗直径:	1 3/4", 4.5cm, 面积16 cm ²
Window Thickness:	1.5 mg/cm ²
窗厚度:	
Quench Gas:	Halogen for long life. Dead Time: 70 μ sec Max
骤冷气:	长寿卤素，死时间：最大70 μ 秒



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Background:	Typical 50 cpm. Thin profile of tube (13mm) gives low background.
本底:	典型50 cpm, 薄计数管(13mm)给出低本底
Efficiency:	100% for all Betas & Alphas with sufficient energy to penetrate thin window.
效率:	穿过薄窗能量 β α 探测效率100%
Temperature:	-10°C to +50°C with high quality batteries.
温度:	优质电池-10°C - +50°C
Calibration:	Single master calibration pot and programmable calibration factor.
标定:	独立主校准电位计和可编程标定常数
Beta Efficiency:	C-14 > 6%, Sr-90/Y-90 > 25% 4 pi.
电池效率:	
Speaker:	Built-in Audible Click for detector pulse, on-off Volume switch on panel.
扬声器:	内置脉冲咔嗒音, 前板带音量开关
Pulse-count:	Green LED.
脉冲计数:	绿色LED
Alarm:	Settable over entire instrument range.
报警:	量程内可设定
Warning:	Red LED.
警告:	红色LED
Power:	6 "AA" cells.
Battery Life:	100 hours in normal operation (Greater with Li or NiMH Battery).
电源:	6节AA电池, 寿命100小时正常操作(锂电或镍氢电池更好)

WEIGHT & DIMENSIONS: 重量&尺寸

Dimensions:	3" w (7.6 cm) x 5 1/4" long (13.3 cm) x 2 1/2" high (6 cm) (excluding probe and handle).
尺寸:	不含探头和把手3" w (7.6 cm) x 5 1/4"长(13.3 cm) x 2 1/2"高(6 cm)
Weight:	重量
Electronics Only:	22 oz. (625 gm).
Total Weight:	Including separable pancake probe 34oz. (0.97 kg).
电子学:	625 gm, 总重量包括探头34oz. (0.97 kg).

OPTION:	Serial Port: Allows real time data logging to portable PC.
选购:	串口: 允许实时数据录入到便携式PC机中



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