

DIGITAL RATEMETER/SCALER DUAL DISPLAY 双显示数字测量仪

IDEAL READOUT FOR DUAL ALPHA-BETA DETECTORS
读出 α - β 双探测器读数

Model ~ PRS-2S & Model PRS-2F

FEATURES: 特点

- DUAL DISPLAY BATTERY OPERATION
- 双显示电池电源
- 2 SEPARATE SCALE FACTORS FOR RATE & TOTAL
- 2个独立换算因子用于剂量率和总计数
- HIGH VOLTAGE 400V-1200V DC
- 高压400V-1200V DC
- 0.1-99 sec TIME CONSTANT FOR RATEMETER
- 计数率时间常数0.1-99秒
- 8 DIGIT LCD DISPLAY
- 8位数LCD显示
- BRING YOUR OWN STOP WATCH, IDEAL FOR LONG COUNT - UP TO 24 HOURS OR MORE
- 用自己秒表进行长时间计数-24小时以上
- ANY GM OR SCINTILLATION ALPHA, BETA, GAMMA, X-RAY, POSITRON DETECTOR.
- GM管或液闪 α , β , γ , x-射线, 正电子探测器
- OPTIONAL RS-232 SERIAL OUTPUTS
- 可选RS-232串口输出
- OPTIONAL PRE-AMPLIFIER
- 可选前置放大器
- OPTIONAL ALARM
- 可选报警



PRS-2F

APPLICATION: 应用

PRS-2 used as both a Ratemeter / Automatic Scaler and as an Area Monitor.

PRS-2既可用于剂量率计/自动计数仪也可以用作区域监测器

- Battery operated.
- 电池电源
- Use with wide variety of detectors such as dual detectors, sample or wipe counter.
- 使用各种各样探头如双探头, 样品计数器或擦拭计数器
- "Frisker" monitor and lab monitor.



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- “嗅探” 监测器或实验室监测器

DESCRIPTION: 描述

The **PRS-2** is a multi-purpose lightweight Scaler with internal replaceable battery.

PRS-2 是一款多用途轻量定标仪，带内置可更换电池

- Includes a digital ratemeter operating mode presenting 6 full decades of accurate readout without switching.
- 包括数字剂量率在內，操作模式精确显示6位数
- All 400-1200V GM and scintillation probes are compatible with the **PRS-2** as are digital Ion Chamber and Gas Proportional probes with PA-1, PA-2 OR A502 amplifiers.
- 所有400-1200V GM 和液闪探测器，以及带PA-1，PA-2，或A502放大器的数字电离室和正比气体探头和PRS-2兼容。
- The **PRS-2** is a sturdy table top or portable instrument incorporating both scaler and ratemeter functions.
- **PRS-2** 是一款结实桌面或便携仪器，具有总计数和剂量率功能
- Gate time for the scaler is free running mode.
- 定标仪控制时间自由运行模式
- Readings directly in mR/hr or other units can be made by choosing correct scaling factors for the scaler and the ratemeter.
- 直接读出mR/hr或通过正确的换算因子读出其它单位。

SPECIFICATIONS: 规格

Detector:	Mates with GM Probes or scintillation detectors. Detector connector: BNC - Standard Detector Bias Supply: 400 V DC to 1200 V regulated and filtered - other voltage levels-optional.
探头:	与GM管或闪烁探测器连用 探头连接件: BNC-标准型 探头偏压电源: 400 V DC -1200 V 调节过滤-其它电压值-可选项
PRS-2S:	Reads out from 2 separate probes simultaneously No energy discrimination 同时读出两个探测器读数，不识别核素能量
PRS-2F:	Reads out from 2 separate probes simultaneously Energy discrimination 同时读出两个探测器读数，识别核素能量



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- Power:** Batteries: 6 AA cells or optional in-place rechargeable batteries.
电源: 电池: 6节AA干电池或选择内置可充电电池
- Battery Life:** 100 hours with Alkaline cells (200 hours with - Lithium cells).
电池寿命: 碱性电池100小时 (锂电池-200小时)
- Construction:** All plug in circuit cards, essentially no wires. Rugged, lightweight
结构: 插板式电路, 无接线, 坚固, 轻巧
- Dimensions:** 3-1/4" H, 4-1/4 W, 7-1/4" long excluding probe holder and handle.
尺寸: 3-1/4" 高, 4-1/4 宽, 7-1/4" 长, 不包括探头托和手柄
- Weight:** 2 lbs. 4oz. Shipping weight 5 lbs.
重量: 2磅, 4oz. 邮寄重量5磅
- Options:** 选项
- Alarm circuit with red LED and audio alarm
带红色LED灯和声音报警的报警电路
 - RS-232 serial port
RS-232 接口
 - Pre-amp for proportional detectors
用于正比探头的前置放大器
 - Other connectors - MHV etc
其它连接件-MHV等
 - In-place rechargeable batteries
内置可充电电池

Digital Display 数字显示	RATEMETER 剂量率	SCALER 总计数
Range 量程	6 digit LCD 6位数LCD	8 digit LCD 8位数
User Settable Scale Factor 用户设定计算因子	0.1 - 20,000 count/sec	•0-10,000,000 Total counts
Time Constant 时间常数	0.01 to 99 seconds Display Refresh Rate 0.01-99秒刷新显示	Free Running 自由运行



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