

DIGITAL RATEMETER/SCALER

DUAL DISPLAY

双显示数字计数率表/计数仪

IDEAL READOUT FOR DUAL ALPHA-BETA DETECTORS

α β 双探头理想读数器

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

FEATURES: 特点

- DUAL DISPLAY BATTERY OPERATION
双显示, 电池供电
- 2 SEPARATE SCALE FACTORS FOR RATE & TOTAL
计数率和总计数分别使用2个独立比例因子
- HIGH VOLTAGE 400V-1200V DC
高压 400V-1200V, 直流
- 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
- ALARM - AUDIO/VISUAL
报警-声光
- BRING YOUR OWN STOP WATCH, IDEAL FOR LONG COUNT - UP TO 24 HOURS OR MORE
长时计数自己计时, 可达24小时以上
- ANY GM OR SCINTILLATION ALPHA, BETA, GAMMA, X-RAY, POSITRON DETECTOR.
盖革管或闪烁探头探测 α , γ , x-ray和正电子
- OPTIONAL USB / RS-232 SERIAL OUTPUTS
可选USB/RS-232输出端口
- OPTIONAL PRE-AMPLIFIER
可选前置放大器
- CE MARK



PRS-2F

APPLICATION: 应用

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

PRS-2既用作计数率表/自动测量仪又用作区域监测器

- Battery operated. 使用电池
- Use with wide variety of detectors such as dual detectors, sample or wipe counter.
使用各种探头如双探头, 样品计数仪或擦拭型计数器
- "Frisker" monitor and lab monitor.
巡测仪及实验室监测仪



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DESCRIPTION: 描述

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

PRS-2是一款多用途轻量计数仪带内置可更换电池

- Includes a digital ratemeter operating mode presenting 6 full decades of accurate readout without switching.
包括计数率模式，6个量级精确读数
- 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.
所有高压范围 400-1200V GM及闪烁探头与PRS-2兼容，包括电离室和带PA-1，PA-2或A502放大器的及正比计数探头。
- The **PRS-2** is a sturdy table top or portable instrument incorporating both scaler and ratemeter functions.
可用作台式或便携式设备具有计数率表/总计数功能
- Gate time for the scaler is free running mode.
中断时间是“自由模式”
- Readings directly in mR/hr or other units can be made by choosing correct scaling factors for the scaler and the ratemeter.
选择正确的比例因子直接读出mR/hr或其它单位

SPECIFICATIONS: 参数

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:	GM探头或闪烁探头，探头连接件：标准BNC，探头偏压400v DC -1200V 调节电压，可选其它电压。
PRS-2S:	Reads out from 2 separate probes simultaneously No energy discrimination 同时读出两个不同探头读数，无能量鉴别功能
PRS-2F:	Reads out from 2 separate probes simultaneously Energy discrimination



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同时读出两个不同探头读数，有能量鉴别功能

- Alarm:** Audio / Visual, Low Battery Warning
报警: 声光, 低电报警
- Power:** Batteries: 6 AA cells or optional in-place rechargeable batteries.
电源: 6节AA电池, 可选可充电电池
- 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200小时)
- Construction:** All plug in circuit cards, essentially no wires. Rugged, lightweight
结构: 插卡式, 无接线, 结实轻量
- Dimensions:** 3-1/4" H, 4-1/4 W, 7-1/4" long excluding probe holder and handle.
尺寸: 不含探头托和把手3-1/4" 高, 4-1/4 宽, 7-1/4"长
- Weight:** 2 lbs.
重量: 2磅
- Options:** RS-232 serial port 可选RS-232接口
Pre-amp for proportional detectors 正比计数器带前置放大器
Other connectors - MHV etc 其它连接件
In-place rechargeable batteries 内置可充电电池

Digital Display 数字显示	RATEMETER 计数率仪	SCALER 计数仪
Range 显示	6 digit LCD	8 digit LCD
User Settable Scale Factor 用户可设定因子	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	Free Running



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