

DIGITAL RATEMETER/SCALER DUAL DISPLAY

IDEAL READOUT FOR DUAL ALPHA-BETA DETECTORS

Model Series – PRS-2

FEATURES:

- DUAL DISPLAY BATTERY OPERATION
- 2 SEPARATE SCALE FACTORS FOR RATE & TOTAL
- READS OUT FROM 2 SEPARATE PROBES SIMULTANEOUSLY
- NO ENERGY DISCRIMINATION (**PRS-2S**)
- READS OUT FROM 2 SEPARATE PROBES SIMULTANEOUSLY ENERGY DISCRIMINATION (**PRS-2F**)
- 0.1-99 sec TIME CONSTANT FOR RATEMETER
- 8 DIGIT LCD DISPLAY
- ALARM - AUDIO/VISUAL
- BRING YOUR OWN STOP WATCH, IDEAL FOR LONG COUNT - UP TO 24 HOURS OR MORE
- ANY GM OR SCINTILLATION ALPHA, BETA, GAMMA, X-RAY, POSITRON DETECTOR.
- **OPTIONAL:** USB / RS-232 SERIAL OUTPUTS
- **OPTIONAL:** PRE-AMPLIFIER



PRS-2F
PRS-2S

APPLICATION:

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

- Battery operated.
- Use with wide variety of detectors such as dual detectors, sample or wipe counter.
- "Frisker" monitor and lab monitor.

DESCRIPTION:

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

- Includes a digital ratemeter operating mode presenting 6 full decades of accurate readout without switching.
- 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.
- The **PRS-2** is a sturdy bench top or portable instrument incorporating both scaler and ratemeter functions.
- Gate time for the scaler is free running mode.
- Readings directly in mR/hr or other units can be made by choosing correct scaling factors for the scaler and the ratemeter.



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SPECIFICATIONS:

- 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.
- PRS-2S:** Reads out from 2 separate probes simultaneously
No energy discrimination
- PRS-2F:** Reads out from 2 separate probes simultaneously
Energy discrimination
- Alarm:** Audio / Visual, Low Battery Warning
- Temperature:** -10 C° to 40° C
- Power:** Batteries: 6 AA cells or optional in-place rechargeable batteries.
- Battery Life:** 100 hours with Alkaline cells (200 hours with - Lithium cells).
- Construction:** All plug in circuit cards, essentially no wires. Rugged, lightweight
- Dimensions:** 3-1/4" H, 4-1/4 W, 7-1/4" long excluding probe holder and handle.
- Weight:** 2 lbs.
- Options:** RS-232 serial port
Pre-amp for proportional detectors
Other connectors - MHV etc
In-place rechargeable batteries

Digital Display	RATEMETER	SCALER
Range	6 digit LCD	8 digit LCD
User Settable Scale Factor	0.1 - 20,000 count/sec	•0-10,000,000 Total counts
Time Constant	0.01 to 99 seconds Display Refresh Rate	Free Running



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