

**DUAL DISPLAY
DIGITAL RATEMETER/SCALER
IDEAL READOUT FOR DUAL ALPHA-BETA DETECTORS
Model # PRS-2**

FEATURES:

- DUAL DISPLAY BATTERY OPERATION
- 2 SEPARATE SCALE FACTORS FOR RATE & TOTAL
- HIGH VOLTAGE 400V-1200V DC
- 0.1-99 sec TIME CONSTANT FOR RATEMETER
- 8 DIGIT LCD DISPLAY
- OPTIONAL ALARM
- 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 RS-232 SERIAL OUTPUTS
- OPTIONAL PRE-AMPLIFIERS



PRS-2 Automatic Scaler is a battery operated instrument. Use with wide variety of detectors such as dual detectors sample or wipe counter. ``Frisker" monitor and lab monitor. It includes a digital ratemeter operating mode in which it presents 6 full decades of accurate readout without switching. The **PRS-2** is also used as an area monitor, again making use of the digital ratemeter modes covering six decades and also utilizing the optional preset alarm.

DESCRIPTION: The **PRS-2** is a multi-purpose lightweight Scaler with internal replaceable battery. All 400-1200V GM and scintillation probes are usable 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 table 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.

TA **TECHNICAL ASSOCIATES**

7051 ETON AVENUE, CANOGA PARK, CA 91303
TELEPHONE (818) 883-7043 • FAX (818) 883-6103
e-mail: tagold@nwc.net • www.tech-associates.com

DUAL DISPLAY
DIGITAL RATEMETER/SCALER
 IDEAL READOUT FOR DUAL ALPHA-BETA DETECTORS
 Model # PRS-2

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.
- 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. 4oz. Shipping weight 5 lbs.
- Options:** Alarm circuit with red LED and audio alarm
 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

TA TECHNICAL ASSOCIATES

7051 ETON AVENUE, CANOGA PARK, CA 91303
 TELEPHONE (818) 883-7043 • FAX (818) 883-6103
 e-mail: tagold@nwc.net • www.tech-associates.com