

DIGITAL RATEMETER/SCALER DUAL DISPLAY

IDEAL READOUT FOR DUAL ALPHA-BETA DETECTORS

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

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
- 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
- CE MARK



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 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.



TECHNICAL ASSOCIATES

Divisions of



US NUCLEAR CORP

OVERHOFF TECHNOLOGY

7051 Eton Ave., Canoga Park, CA 91303

818-883-7043 (Phone) 818-883-6103 (Fax)

tagold@nwc.net

WWW.TECH-ASSOCIATES.COM

DIGITAL RATEMETER/SCALER DUAL DISPLAY

IDEAL READOUT FOR DUAL ALPHA-BETA DETECTORS

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

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
- 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



TECHNICAL ASSOCIATES
OVERHOFF TECHNOLOGY

Divisions of



US NUCLEAR CORP

7051 Eton Ave., Canoga Park, CA 91303
818-883-7043 (Phone) 818-883-6103 (Fax)

tagold@nwc.net

WWW.TECH-ASSOCIATES.COM