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**



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.

7051 Eton Ave., Canoga Park, CA 91303

- 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.





WWW.TECH-ASSOCIATES.COM

DIGITAL RATEMETER/SCALER DUAL DISPLAY

IDEAL READOUT FOR DUAL ALPHA-BETA DETECTORS

Model Series – PRS-2

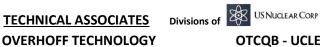
SPECIFICATIONS:

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.	
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



TA





7051 Eton Ave., Canoga Park, CA 91303 818-883-7043 (Phone) 818-883-6103 (Fax) WWW.TECH-ASSOCIATES.COM sales@usnuclearcorp.com