



PRS-2F

Digital Ratemeter / Scaler Dual Display

Ideal Readout for Dual
Alpha-Beta Detectors

Model PRS-2S and Model PRS-2F

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.

Features

- Dual Display Battery Operation
- 2 Separate Scale Factors for Rate and Total
- 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**
- **IP64**

Description

The **PRS-2** is a multi-purpose lightweight Scaler with 6AA batteries or optional rechargeable batteries.

- 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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Model PRS-2S and 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
Temperature:	-10 C° to 40° C
Power:	Batteries: 6AA batteries or optional 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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