

Analyzing Rate Meter Scaler

Portable

Model: PRS-7 and PRS-7-DSC

Specifications

- Digital-Readout:** 6 digit LCD Rate, 8 digit integrate.
 - **Time Base:** Crystal controlled 1-10,000 seconds, user settable.
 - **Display Modes:** Rate, Integrate.
 - **Range:**
 - Usable Probes Cover Range:** 1uR/hr to 1000 R/hr; 0 to 30,000 Cps; 0.1 mRem/hr to 10 Rem/hr.
 - **Alarm:** 2000 Hz audio tone with audio "mute" switch + RED LIGHT, high current relay.
 - **Single Channel:** **PRS-7**
 - **Dual Single Channel:** **PRS-7-DSC** – Two independent detector inputs
 - 3 Switch Selectable Windows:** 2 preset (resettable) window positions plus one "variable".
 - **Analyzer/Discriminator:** 10-turn, 1000 division pot for each threshold.
10-turn, 1000 division pot for window width.
 - **Detector:**
Mates with T/A Probes, any GM, Proportional or Scintillation - NaI(Tl); BGO, LaBr:
Alpha, Beta, Gamma, Positron, X-Ray, Neutron, Tritium.
 - **Detector Connector:** BNC bulkhead mount (MHV **optional**).
 - **Detector Bias:** 0-2000V regulated and filtered.
 - **Front Panel Controls:** On-Off Toggle; Alarm-Mute; Rate; Integrate; Reset;
 - **Supply:** High Voltage is adjustable and repeatable with the 10 turn dial.
 - **Settable scale factors allow readout in almost any units.**
 - **Engineering Units:** User can input correct conversion factor and change to any units.
 - **Controls:** Front Panel: On-Off, Alarm-mute, Rate, Integrate, Reset.
 - **Calibration:** Digital input of calibration factor gives high precision adjustment.
 - **Serial Output:** Two-way, RS-232 standard, USB **optional**
 - **Construction:** NEMA-4X polycarbonate gasket sealed case with handle:
Rugged / splash-proof.
All plug in circuit cards.
 - **Computer interface:** RS-232
 - Options:** USB
Output for Digital Printer
- Power:**
- **Power:** 105-125 volts, 50-60 Hz (220 V **optional**)
 - **Batteries:** 12v, 4.8 Amp Hour built-in L-ion battery pack with AC Charger Adapter
 - **Battery Life:** 3-5 days at 8 Hour/day



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