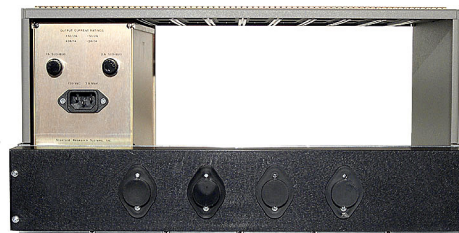


Gated Integrators and Boxcar Averagers

SR280 — Mainframe and display module



- **NIM compatible mainframe**
- **9 available slots**
- **Analog, digital and bar graph meters**



SR280 Mainframe and Display

The SR280 is the Boxcar Averager System mainframe. The mainframe is NIM (Nuclear Instrumentation Module) compatible and has twelve slots. The three right-most slots are filled by the display module and unregulated power supplies, leaving nine slots for other NIM modules. The DC power supply regulators are mounted on a heat sink on the rear of the mainframe.

The display module features three types of meters. The analog meter is for “peaking-up” an experimental signal. The digital voltmeter provides a numeric readout. The “Digital Hold” button may be used to hold the digital meter’s reading. A 20-segment bar graph display may be used to show rapidly changing data.

Ordering Information

SR280 NIM mainframe and display

SR280 Specifications

| | |
|--------------------------|---|
| Analog meter | |
| Accuracy | 2% |
| Range | ±10 VDC |
| Digital meter (3½-digit) | |
| Accuracy | 0.25% |
| Range | ±10 VDC |
| Bar graph (20-segment) | |
| Accuracy | 2% |
| Resolution | 5% |
| Bandwidth | 50 kHz |
| Range | 0 to 10 V, ±10 V, -10 to 0 V |
| Power mains | 115 or 230 VAC, 50/60 Hz |
| Mechanical | NIM-compatible, nine available slots |
| Dimensions | 16.875" × 8.714" × 13.0" (WHD) |
| DC power | ±12 VDC at 2 A, ±24 VDC at 1 A (120 VAC is wired to each slot) |
| Warranty | One year parts and labor on defects in materials and workmanship |