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