

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 \$2000

SR240A 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 (factory set)
Mechanical	NIM-compatible, nine available slots
Dimensions	16.875" \times 8.714" \times 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