

# 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

### SR240A Specifications

Analog meter	
Accuracy	2 %
Range	$\pm 10$ VDC
Digital meter (3½-digit)	
Accuracy	0.25 %
Range	$\pm 10$ VDC
Bar graph (20-segment)	
Accuracy	2 %
Resolution	5 %
Bandwidth	50 kHz
Range	0 to 10 V, $\pm 10$ 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	$\pm 12$ VDC at 2 A, $\pm 24$ VDC at 1 A
	120 VAC is wired to each slot
Warranty	One year parts and labor on defects in materials and workmanship