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.

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

Ordering Information

- SR280 NIM mainframe and display $2000