

Model 935A Current Source



The Arbiter Systems®, Inc. Model 935A is designed to drive high currents, up to 1000 amps rms, through low impedance loads. Output current is produced at the input line frequency through a toroidal current transformer. The input line level is selectable from 100 Vrms, 120 Vrms, 200 Vrms, 220 Vrms, and 240 Vrms. An output range selector switch and variable transformer allow easy setting of the output current within the attainable range.

The Model 935A is an ideal source for testing instrument current transformers. Use the Model 935A Current Source in conjunction with the Model 931A Power System Analyzer and the Model 936A Reference Current Transformer to accurately measure the ratio and phase angle errors on a wide variety of current transformers.

I/O Configuration

Input

Line (volts)	100, 120, 200, 220, 240 (selectable)
Frequency	50 or 60 Hz
Inlet	IEC-320 with fuse and mating cordset. Specify option P01-P10

Output

Current	1000+ Amps
Power	840 Watts rms, maximum

General

Physical

Case Size	205 mm x 305 mm x 225 mm (8 in x 12 in x 8.75 in)
	483 mm x 483 mm x 483 mm (16 in x 16 in x 16 in), shipping
Weight	16 kg (35 lbs) maximum
Current Transformer	90 mm (3.5 in) ID Nominal, 3 m (8 ft) cable length

Environmental

Temperature	Operating: 0 °C to +40 °C Nonoperating: -40 °C to +85 °C
Humidity	Noncondensing