Model 680C Amp Booster

With the CHI680C Amp Booster, the current can be measured up to 2 A. The compliance voltage will be up to ±25V. The CHI680C is compatible with our model 600D/E series of instruments. You can stack the CHI600D/E and the CHI680C together. The CHI680C can also be connected to the model 700E series, but it will only work for the primary channel.

When the Amp Booster is connected, cell control signals such as purge, knock, and stir will be disabled.

The Amp Booster will also allow low current measurements. You may need to use a Faraday Cage to eliminate line frequency noise when the scan rate is above 50 mV/s.

The frequency response of the Amp Booster is somewhat lower than that of the CHI600E. For high speed experiments, the Amp Booster should be disconnected.

Dimension: 14.25”(W) × 9.25”(D) × 4.75”(H)
Weight: 17 lb.

CHI684 Multiplexer

CHI684 is a multi-channel multiplexer for the model 400/A/B, 600A/B/C/D/E, 700A/B/C/D/E, 800B/C, 900B/C/D and 1100A/B/C series. The multiplexer switches four lines (working, sensing, reference, and counter for single-channel potentiostats, second working, reference and counter for bipotentiostats). You can have up to 64 cells, but only one cell can be connected at a time.

The multiplexer is controlled using the "Multiplexer" command under the Control menu. You can select any channel(s) and run experiments in a sequence of selected channels. Data will automatically be saved to file after each run. You can also be prompted before each channel run.

It is allowed to set arbitrary channels immediately. An experiment can then be run for that particular channel.

Two Macro commands are available for the multiplexer. One is "mch:##", which allows the user to choose an individual channel. The other macro command is "mchn". This is used in a For...Next loop to select the channel according to the For...Next loop counter.

The minimum number of channels for the CHI684 is 8. The channel increment is 8. The maximum number of channels is 64.