ARBIN INSTRUMENTS

Arbin EIS Integration

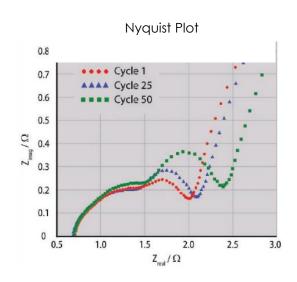


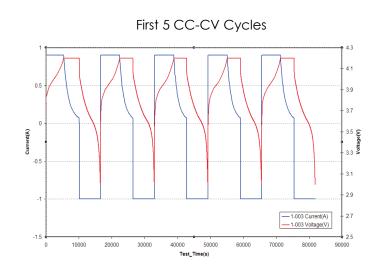
Product Highlights

- Frequency range of 10µHz to 2MHz
- Integrated with Arbin cycler, the frequency range is 10µHz to 100kHz
- EIS data is integrated with Arbin data
- Fully maximize duty-cycle of EIS workstation and multi-channel Arbin tester
- No change in connection is necessary
- EIS integration available on Arbin LBT, MSTAT, & HSP systems
- Each EIS unit can be multiplexed across up to 32 Arbin channels

Arbin's integrated EIS solution combines the multi-channel, high-precision battery test performance of Arbin with advanced EIS capability for higher frequencies. These solutions share up to 32 Arbin channels (through multiplexing) with a single EIS unit to maximize the duty cycle of both instruments. No change in connection is necessary.

Arbin's EIS integration solutions are designed to support researchers with full or half-cell battery characterization, or any other electrochemical device. The equipment offers charge/discharge testing, PITT, GITT, and more along with EIS measurements.







For more information, please contact your Arbin representative

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Compatible Models

Model- From 10 µHz up to 2 MHz

Gamry 1010E

Potentiostat / Galvanostat / ZRA

Recommended for all Arbin LBT, MSTAT, HPS, and HSP testers.

Capable of performing EIS from 10 µHz to 2 MHz

Max frequency of 100 kHz when integrating with Arbin cycler*

±12V Maximum Applied Potential

±1A Maximum Current:

9 Current Ranges

Gamry 5000E

Potentiostat / Galvanostat / ZRA

Recommended for Arbin LBT Cell-HC testers.

Capable of performing EIS from 10 µHz to 1 MHz

Max frequency of 100 kHz when integrating with Arbin cycler*

±6V Maximum Applied Potential

±5A Maximum Current 6 Current Ranges

Gamry 5000P

Galvanostat

Capable of performing EIS from 10 µHz to 20 kHz

Max frequency of 20 kHz when integrating with Arbin cycler*

±6V Maximum Applied Potential

Recommended for Arbin LBT Cell-

HC testers.

±5A Maximum Current 6 Current Ranges

Gamry Ref 3000

Capable of performing EIS from 10 µHz to 1 MHz

Potentiostat / Galvanostat / ZRA Max frequency of 100 kHz when integrating with Arbin cycler*

±32V Maximum Applied Potential

±3 A (or ±1.5 A @ 32V) Maximum Current

Recommended for Arbin LBT 25V

Module testers.

11 Current Ranges

*Contour plot accuracies are available upon request.

NOTE: If your team plans to purchase an EIS unit at a later date, please notify Arbin Instruments of the EIS model to confirm compatibility prior to ordering your system This will allow us to ensure compatibility, properly test, and integrate with the appropriate system.

