



Gamry introduces the EIS Box!

Make impedance measurements on up to eight batteries

The EIS Box is a multiplexed eight channel instrument designed for impedance measurements on batteries (or other devices such as supercapacitors or fuel cells) and is typically used in conjunction with a battery cycler. It is isolated from ground and is capable of EIS from 100 kHz down to 10 μ Hz and comes in a 3U 19" rack-mountable chassis.

- EIS on up to eight cells
- 10 μ Hz to 100 kHz*
- Includes 3 m cables
- Ethernet or USB communication
- Two versions 6V/5A or 12V/1A

**Specifications subject to change*

The EIS Box comes with 8 x 3 m cell cables and is designed to be used in conjunction with a battery tester/cycler to provide impedance testing. Cycle testing of the battery would be provided by the battery tester/cycler. It can be installed in a 19-inch rack. Connection to the EIS Box is made through LAN ethernet using an internal microprocessor that can translate USB to Ethernet commands. As with a USB connection to our potentiostats, the EIS Box has to be in constant contact with the host computer for experiments to be performed successfully. Connection via ethernet needs to be accomplished over a local network only; connection over the internet will not be possible. Optional USB connection is possible as well. Only EIS experiments up to 100 kHz are available.

SPECIFICATIONS	EIS Box 5000	EIS Box 1010
Cell Connections	Four	Four
Number of Cells	Up to Eight	Up to Eight
Cables	Set of Current and Sense Cables 3 m standard length	Set of Current and Sense Cables 3 m standard length
Power	100-240, 50-60 Hz, 2.1A	100-240, 50-60 Hz, 2.1A
Connection to computer	Ethernet or USB	Ethernet or USB
Floating	Yes	Yes
Voltage Range	+/- 6 V	+/- 12V
EIS Measurement	10 uHz to 100 kHz* <i>(*specifications subject to change)</i>	10 uHz to 100 kHz* <i>(*specifications subject to change)</i>
Max AC Amplitude	3 V or 5 A	3 V or 1 A
Accuracy	See Accuracy Contour Plot	See Accuracy Contour Plot
Weight	Approximately 25 lb (11.4 kg)	Approximately 25 lb (11.4 kg)
Dimensions	5.25"x18.875"x18.875" 13 cm x 48 cm x 48 cm	5.25"x18.875"x18.875" 13 cm x 48 cm x 48 cm

