

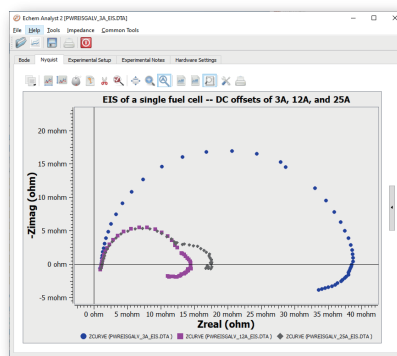


High Voltage EIS Test System for Batteries, Fuel Cells and Electrolyzers

The EIS test system, which combines Kikusui's PXB series of bidirectional power supplies with Gamry's LPI1010 for EIS testing, makes it possible to measure the impedance of high-voltage batteries and fuel cells.

System Configuration Example

Impedance Software



LPI1010

Measurement unit

Vc†

Ich

Signal

PXB series

Bidirectional Power Supply

Key Features!

- ▶ Impedance analysis software included (Gamry Echem Analyst 2)
- ▶ Easy to setup: Simple connection
- ▶ Current sensor included
- ▶ Easy Integration with Kikusui's Bidirectional power supply, the PXB series

Our PBZ series, a bipolar power supply, and the PLZ-5W/5WH2 series, an electronic load, can also be combined. We are ready to provide various solutions according to the frequency and current requirements. Please contact us for more details.

- PXB20K-50 + LPI1010 (100V)
- PXB20K-250 + LPI1010 (1000V)
- PXB20K-500 + LPI1010 (1000V)
- PXB20K-1000 + LPI1010 (1000V)



The Gamry LPI1010 is designed to accommodate the low impedance of batteries and fuel cells. It can measure complex impedance over a frequency range of 10 μ Hz to 100 kHz (the upper limit is determined by the electronic load or power supply).

General Specifications**	Value
Frequency Range	10 μ Hz – 100 kHz*
Weight	1 kg
Measurement modes	Galvanostatic or Hybrid EIS
Cable lengths	1 m
Signal output to load or power supply	10 V full scale, BNC connector
Signal input from load or power supply	10 V full scale, BNC connector

*LPI1010 only. Measurement bandwidth is dependent upon your power supply or electronic load.

** Specifications subject to change without notice.

LPI1010E



LPI1010 (10, 100, 1000V model)



PXB series

The PXB series of bidirectional high-capacity DC power supplies condenses a 20 kW large-capacity output into a 3U-size chassis. Not only handling high voltages up to 1500 V, but also capable of both power and regeneration in both directions in a single unit.

Model	Voltage	Current	Rated Power
PXB20K-50	50V	-800A to +800A	20kW
PXB20K-250	250V	-200A to +200A	20kW
PXB20K-500	500V	-120A to +120A	20kW
PXB20K-1000	1000V	-60A to +60A	20kW
PXB20K-1500	1500V	-30A to +30A	20kW



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