Load/Power Supply Interface (LPI1010)
High Voltage EIS Test System
QUICK-START GUIDE

The full experimental setup requires the following:

- Gamry Instruments Interface™ 1010 Potentiostat/ Galvanostat/ZRA
- An LPI 1010 Load/Programmable Power Supply Interface containing:
    - An LPI Top Assembly
    - An LPI Power Cable
    - An LPI Voltage Sense Cable Kit
    - Gamry Instruments Framework™ Software

1. Install your IFC1010 according to the IFC1010Interface 1010 UserOperation Manual and Quick -Start Guide available at : https://www.gamry.com/support/documentation-downloads/. Ensure that your Device Under Test is not connected to your setup.

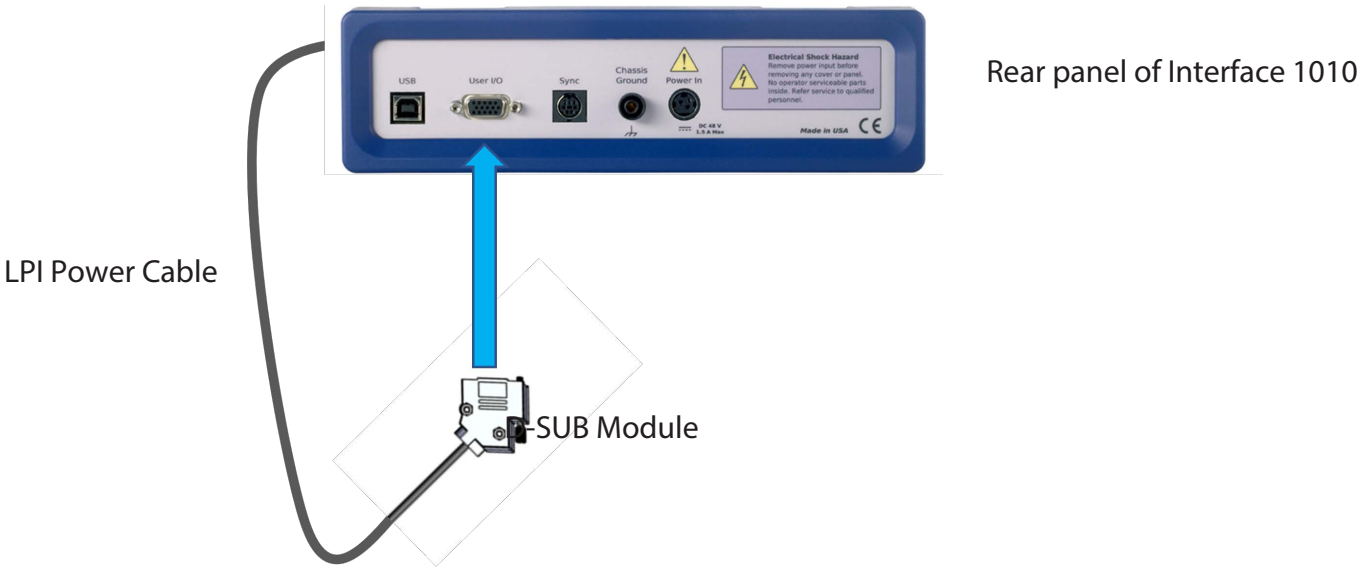
Connect the LPI Top Assembly to the Interface 1010 and LPI Power Cable.

2. 

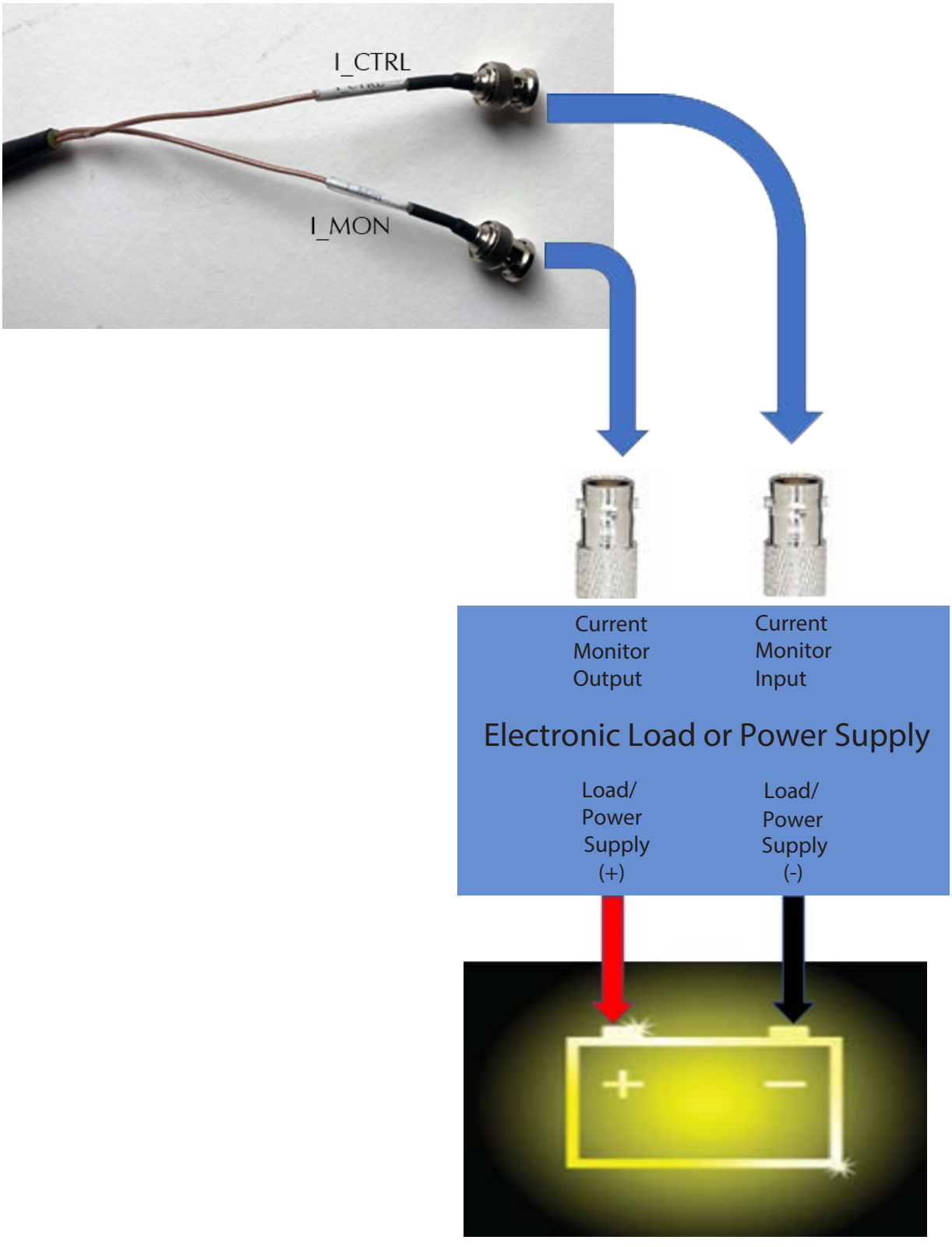
Plug LPI Top Assembly into the Cell Cable receptacle.

Plug LPI Power Cable into the small receptacle on the top of the LPI Top Assembly.

3 Connect the LPI Power Cable to the User I/O Connector on the rear panel of the Interface 1010.

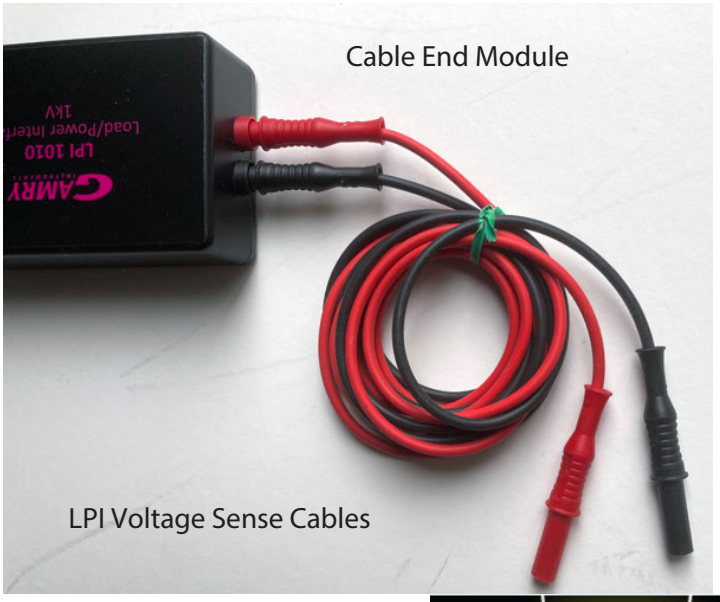


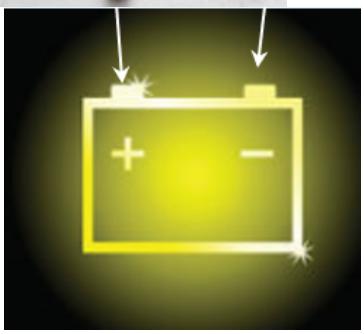
4 Connect the Device Under Test (DUT) and the LPI Top Assembly to your Electronic Load or Power Supply.



5

Connect the DUT and the Cable End Modules together via the LPI Voltage Sense Cables.



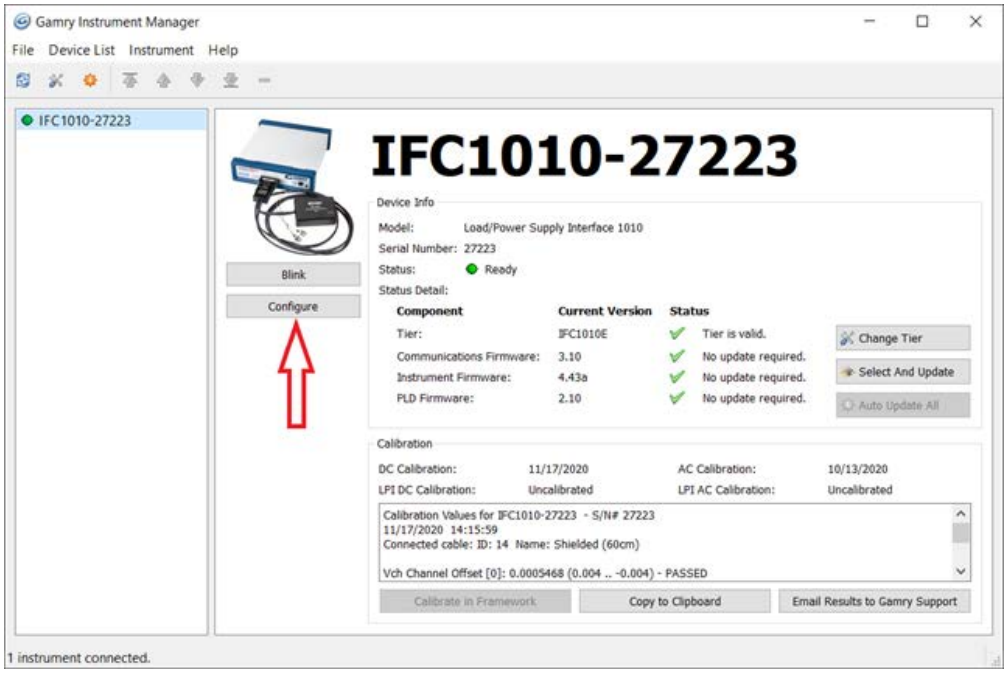


6. Configure your Electronic Load or Programmable Power Supply for **current control** and set the full-scale current as appropriate for your experiment.

7. Launch Framework™ software and open the Gamry Instrument Manager software.

- Select the appropriate instrument on the left hand side of the instrument manager.

- Press the Configure button as shown.



- Select a power device from the list of available power devices. The rest of the fields should autopopulate.

If your device is not in the list, you need a Power Device configuration file. Please contact your Gamry representative to discuss your options.

What Does Gamry Software Do?

Gamry Framework™

Potentiostat control for flexible data aquisition. Select from standardized experiments grouped by research type, or use the Sequence Wizard to build complex automated experiments.

Echem Analyst™

Quick and easy data analysis. Open data files with Echem Analyst for specialized analysis algorithms and high-quality plots. Customize, overlay, and scale plots, or export data.

My Gamry Data™

The default data-folder location for Gamry Framework, with a shortcut on your desktop after installation. Change the folder location within Gamry Framework via **Options > Path**.

Virtual Front Panel™

Software-based front panel for quick access to Gamry potentiostats' functions, like a front panel of an early analog potentiostat; and to perform simple electrochemical experiments.

Electrochemical Signal Analyzer™

Designed specifically for the acquisition and analysis of time-dependent electrochemical noise signals.

Resonator™

Data-acquisition and -control software for the Gamry eQCM™. Contains a full suite of physical electrochemistry techniques.

Electrochemistry Toolkit™

A sophisticated package for complete access to the capabilities of Gamry potentiostats in the software environment of your choice.