Reference 600+/620

QUICK-START GUIDE

Guide #2

USB Potentiostat Calibration

① When possible, connect the **Chassis Ground** on the back of your potentiostat to a known, good earth ground.

② Connect the cell cable to the 200 Ohm Calibration Cell included with your instrument.
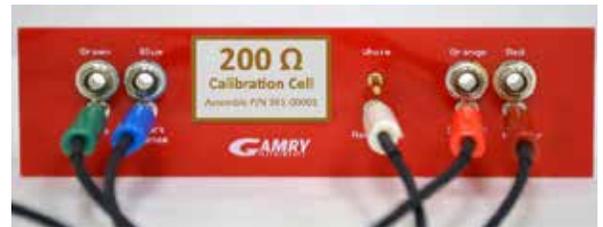
③ Place the dummy cell inside the Calibration Shield, close the lid, and connect the black floating-ground lead of your cell cable to the Shield's grounding post.
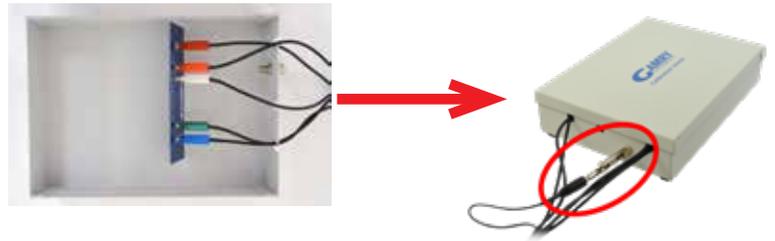
④ Open Gamry Framework™. Select **Experiment** > **Utilities** > **Calibrate Instrument**
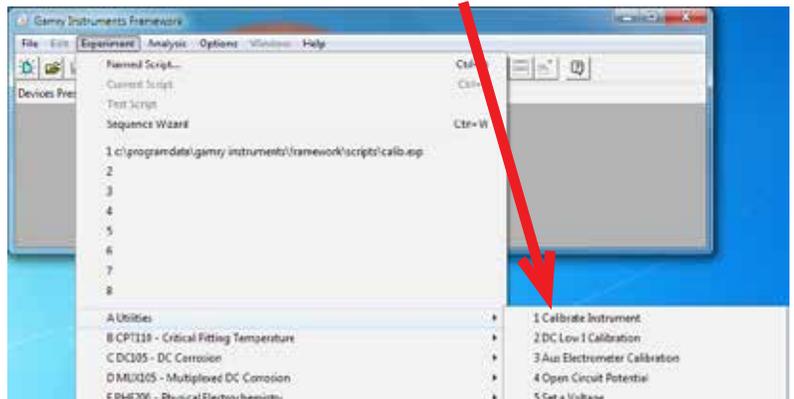
⑤ Choose your potentiostat. Select the radio button for calibration type **Both**, and click the **OK** button.
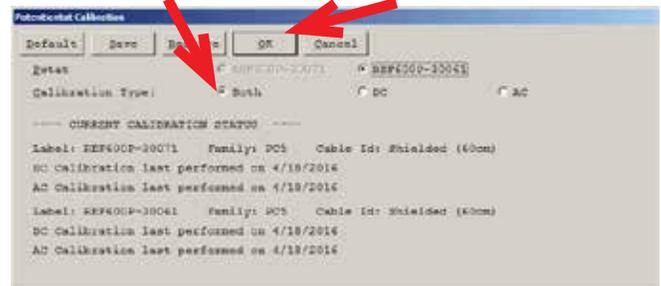
After you confirm several instructional messages, the calibration proceeds automatically, and you are notified if the calibration is successful.

Did you receive a
CALIBRATION WARNING?

TROUBLESHOOTING A FAILED CALIBRATION

Calibration is used to check the potentiostat's health, and to "zero" many of the measurement circuits to your laboratory environment. A warning does not necessarily indicate a critical failure, and Gamry can use calibration information to determine the source of the warning.
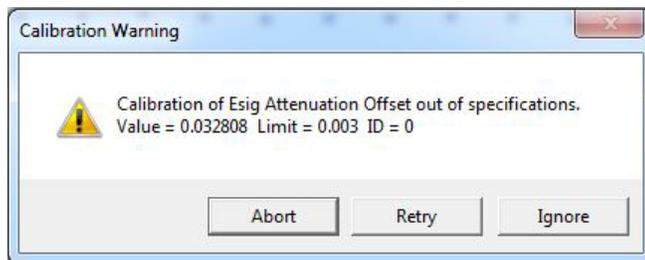
① Double-check the following:
- Connections on the 200 Ohm Calibration Cell.
- Floating-ground cable is connected to calibration shield.
- If possible, the **Chassis Ground** is attached to a known, good earth ground.

② Click the **Retry** button, and the rest of the calibration restarts. Click the **Ignore** button for any other calibration warnings that may appear, and continue to Step 3.

③ After a failed calibration attempt:
- Find `Calibration Results PC5-#####.txt` in your `My Gamry Data` folder.*
- Upload the file at ***Contact Technical Support***

* ##### is the serial number of your potentiostat.

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.