



Reference 600+  
**QUICK-START GUIDE**



Guide #2  
**USB Potentiostat Calibration**

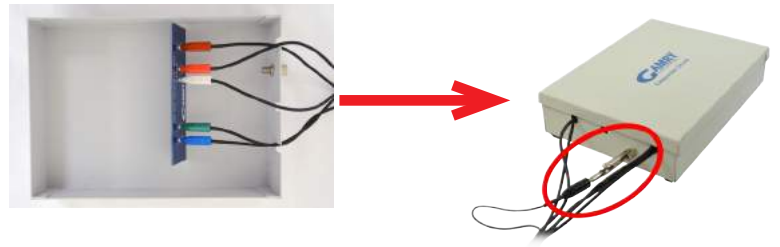
- ① When possible, connect the **Chassis Ground** on the back of your potentiostat to a known, good earth ground.



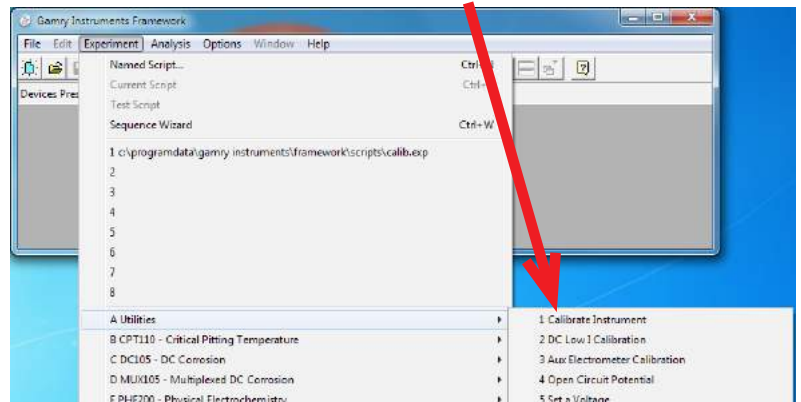
- ② Connect the cell cable to the 200 Ohm Calibration Cell included with your instrument.



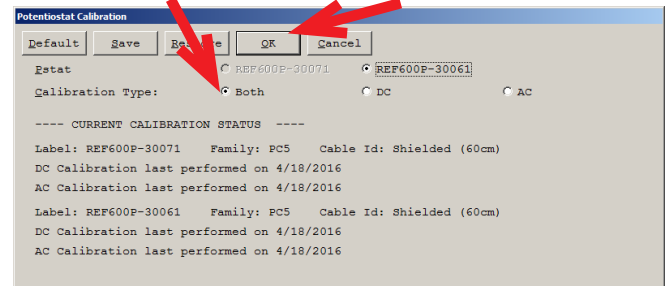
- ③ Place the dummy cell inside the Calibration Shield, close the lid, and connect the black floating-ground lead of your cell cable to the Shield's grounding post.



- 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.

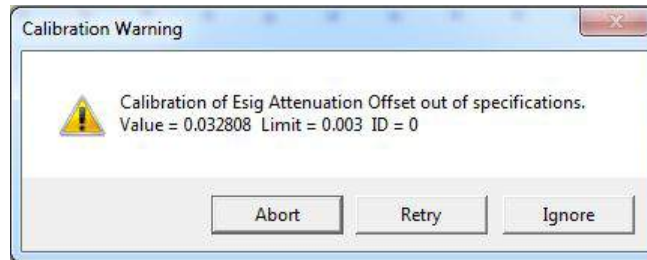


After you confirm several instructional messages, the calibration proceeds automatically, and you are notified if the calibration is successful.

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.\*
  - E-mail the file, along with complete contact information, to techsupport@gamry.com

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

## WHAT DOES GAMRY SOFTWARE DO?



### **Gamry Framework™**

Potentiostat control for flexible data acquisition. 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.