GAMRY
INSTRUMENTS

QUICK-START GUIDE

Guide #2
USB Potentiostat Calibration

CALIBRATING YOUR POTENTIOSTAT

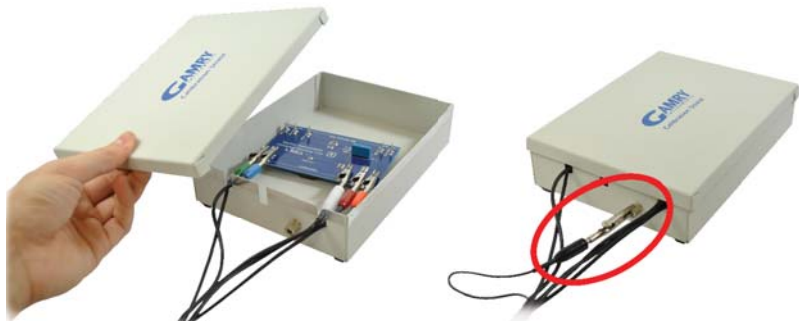www.gamry.com
1-215-682-9330
techsupport@gamry.com

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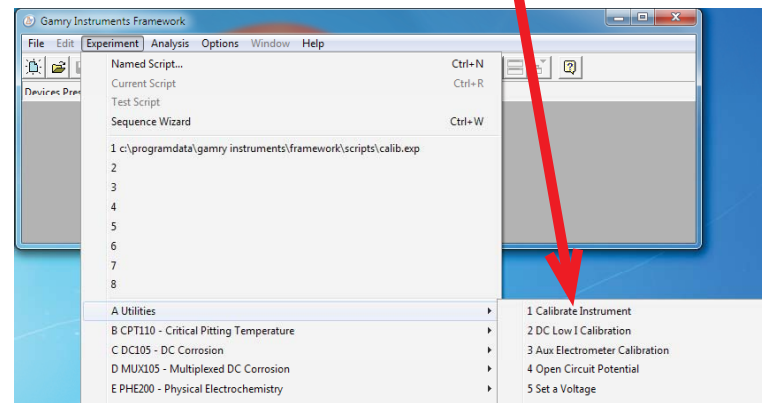

② Connect the cell cable to the **Calibration** side of the UDC4 dummy cell included with your instrument.
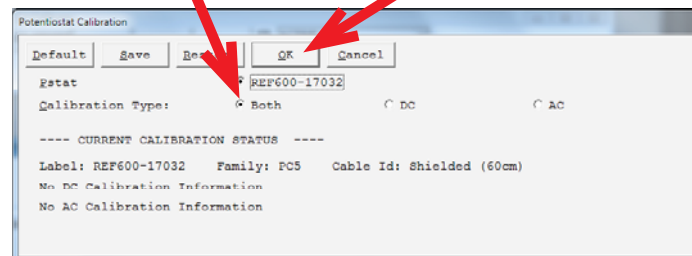

③ Place the UDC4 inside the Gamry Calibration Shield, close the lid, and connect the black floating-ground lead of your cell cable to the Shield's grounding post.

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.

⑥ After you confirm several instructional messages, the calibration proceeds automatically, and you are notified if the calibration is successful.

NOTE: If you have a Reference Family potentiostat, you can choose to calibrate the instrument's thermocouple.
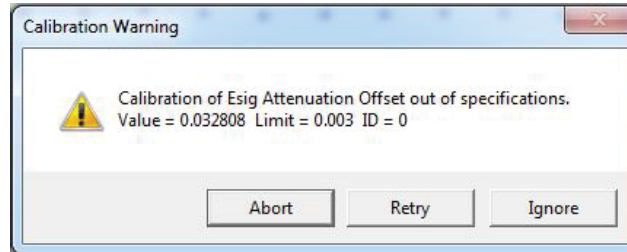
Did you receive a
CALIBRATION WARNING?

TROUBLESHOOTING ⟶

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.

Calibration Warning

⚠ Calibration of Esig Attenuation Offset out of specifications.
Value = 0.032808 Limit = 0.003 ID = 0

[Abort] [Retry] [Ignore]

① Double-check the following:
- Connections are to **CALIBRATION** side of the UDC4.
- 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 ####.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.