



# Cable Calibration

## QUICK-START GUIDE



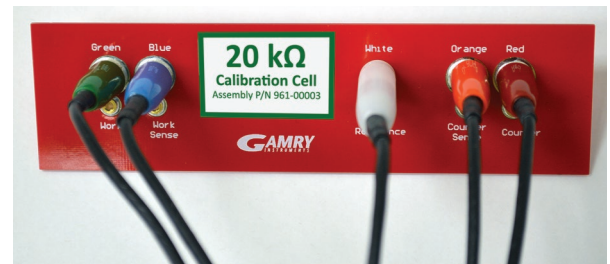
For Gamry Instruments  
Potentiostats

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



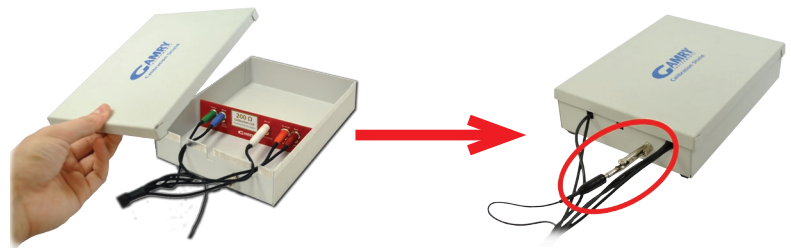
- 2 Connect the cell cable to the correct receptacles on the correct Calibration Cell included with your instrument.

Potentiostat	Calibration Cell
Reference™ 600/600+	20 kΩ
Interface™ 1000/1010	2 kΩ
Reference™ 3000	2 kΩ
Interface™ 5000	200 Ω

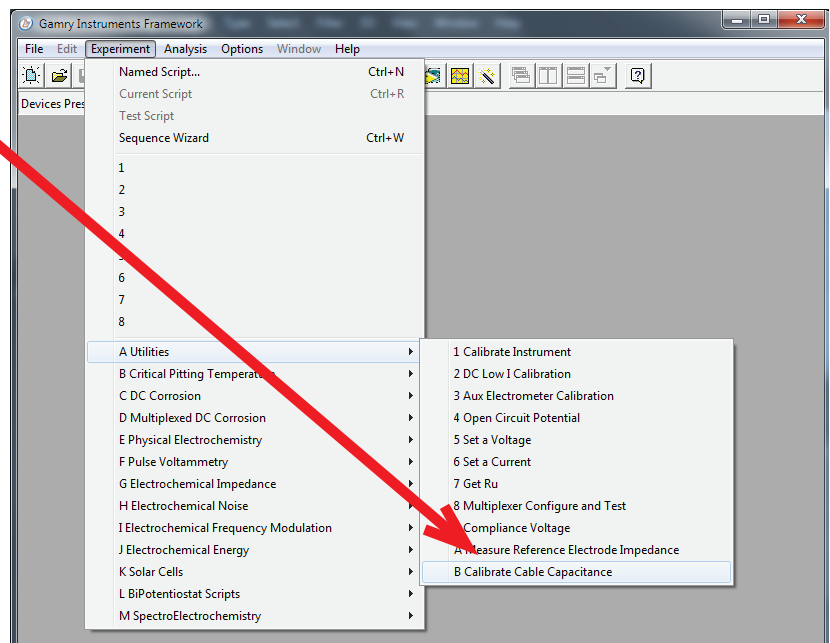


Use larger jacks for 600, smaller ones for 600+

- 3 Place the Calibration 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.



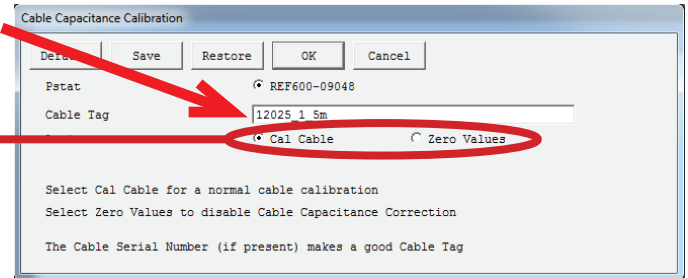
- 4 Open Gamry Instruments Framework™. Select **Experiment > Utilities > Calibrate Cable Capacitance**



5 In the **Cable Tag** field, enter a unique name for the cable you are calibrating.

Choose the desired **Action** radio button:

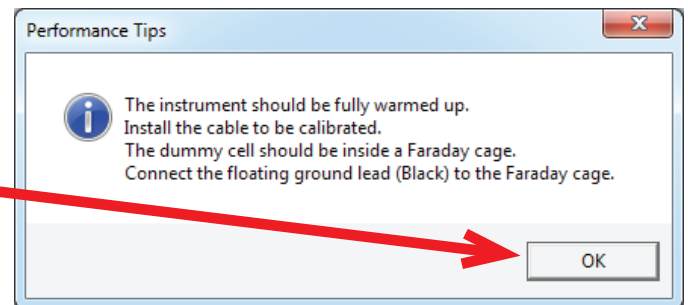
- To calibrate the cable, choose **Cal Cable**.
- To reset the vales to zero (if, say, the calibration doesn't work), choose **Zero Values**.



6 Click the **OK** button.

The **Performance Tips** window appears.

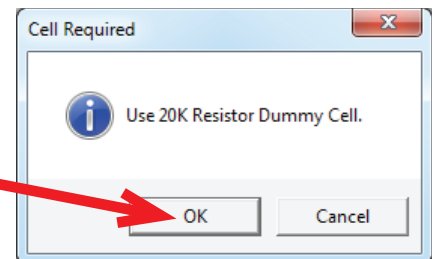
7 Make sure that all of the tips are true, then click the **OK** button.



The **Cell Required** window appears.

The resistor value listed for your Dummy Cell may vary depending on your potentiostat.

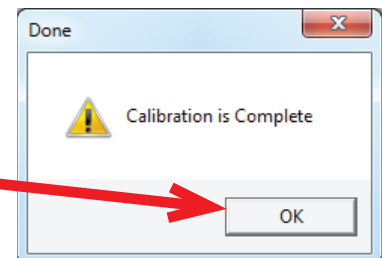
8 Make sure that the correct Calibration Cell is attached, then click the **OK** button.



The calibration runs.

The **Done** window appears.

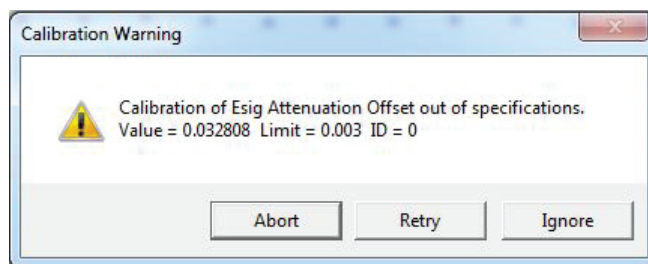
9 Click the **OK** button to acknowledge completion.



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:
  - Correct colors are attached to the Calibration Cell jacks.
  - 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 PC6-#####.txt` in your My Gamry Data folder.\*
  - E-mail the file, along with complete contact information, to Contact Technical Support

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