GAMRY INSTRUMENTS

Quick-Start

INSTALLATION GUIDE

eQCM 10M™

Electrochemical Quartz Crystal Microbalance

Installing Your eQCM 10M

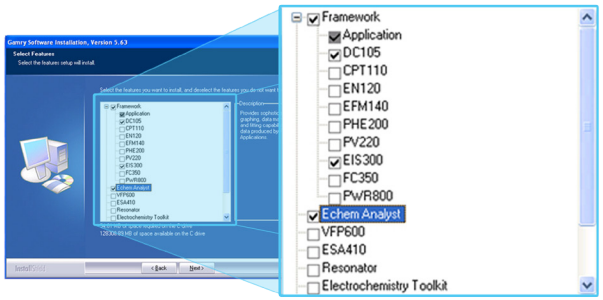
www.gamry.com
1-215-682-9330
techsupport@gamry.com

1 Insert installation media and click 'Install Software'.

2 The 'Gamry Software Installation' program will run.

NOTE - If you have Gamry Software PREVIOUSLY INSTALLED:
You will be asked to remove previous versions of the software and the Gamry device drivers. Click 'Yes' - All previous data will be saved.

- When asked to select folder location, click 'Next'.
- Select 'Framework', 'Echem Analyst', and 'Resonator' from the list of available packages.

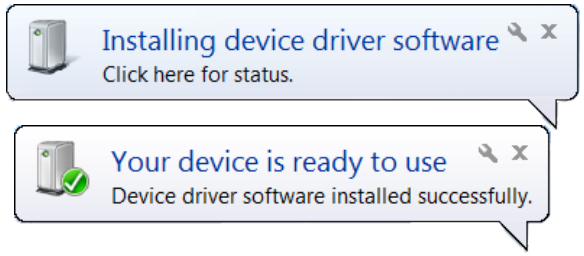


- Follow prompts through the rest of the installation process.
- Restart your computer after installation is complete.

3 Plug in the eQCM 10M power cord. Connect the USB cable between the eQCM and the computer. Switch on the power switch.

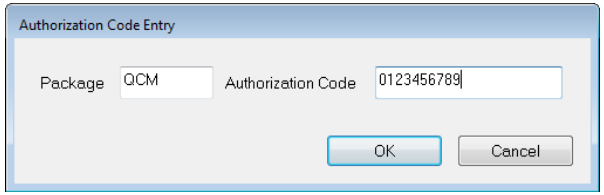
* The blue power LED on the front of the eQCM should turn on and stay lit.

4 Microsoft Windows will detect your instrument, and a 'Found New Hardware' prompt will appear.



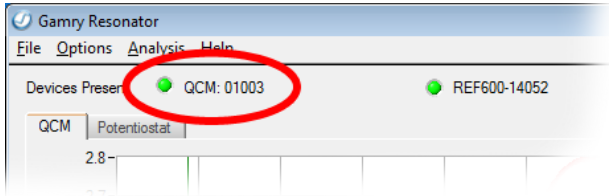
Windows XP Users - When prompted, select 'Install Software Automatically' and continue through the remaining steps.

5 Be sure to add your QCM authorization code to the Gamry Potentiostat if you will be performing eQCM experiments.



6 Confirm that your eQCM is recognized properly in the Resonator software.

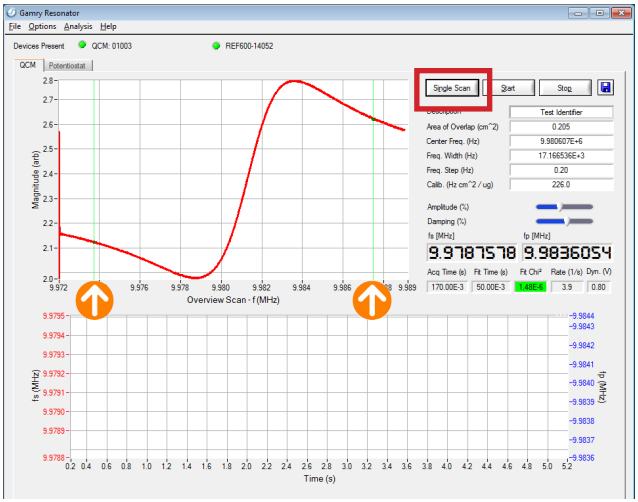
- Double-click the Gamry Resonator icon.
- A green virtual LED will appear in the devices list of Resonator to indicate that your instrument is ready to use.



Gamry Resonator Software Overview

Resonator Overview

1. Find the resonant frequencies.
   - Enter the center (nominal) frequency of your crystal and press 'Single Scan'.
   - If you do not see a nice S-shaped spectrum such as the one shown here, increase your frequency window and press 'Single Scan' again.



2. Once you find the appropriate window, drag the two green cursors closer to f_s and f_p.
   You can now begin continuous acquisition by pressing 'Start'.

3. Set up your potentiostat on the 'Potentiostat' tab if you are performing EQCM work.

4. QCM data acquired during an EQCM experiment will be saved automatically in the data file.

   QCM data acquired for a stand-alone QCM experiment needs to be saved using the disc icon or by clicking 'Save' under the file menu.