



Quick-Start INSTALLATION GUIDE



eQCM 10M™
Electrochemical Quartz Crystal Microbalance

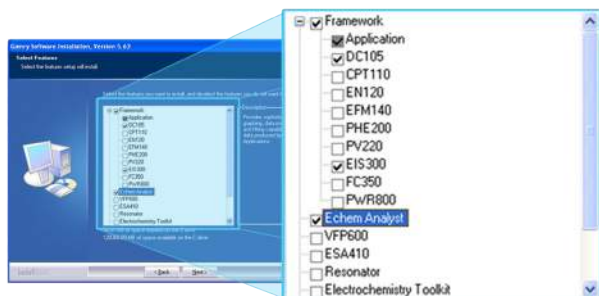
1 Insert installation media and click 'Install Software.'



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.

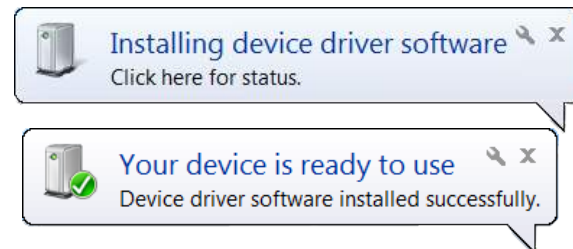


- Follow prompts through the rest of the installation process.
- Restart your computer after installation is complete.

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

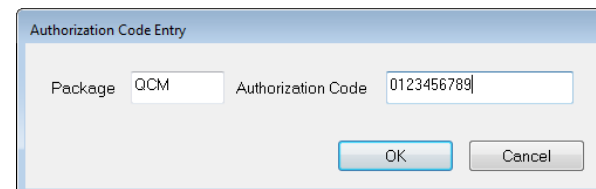
* The blue power LED on the front of the eQCM should turn on and stay lit.

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



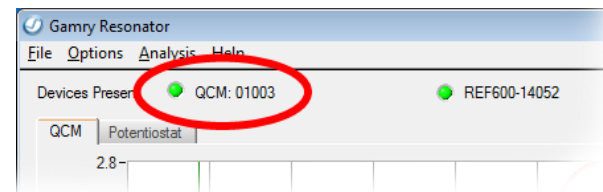
Windows XP Users - When prompted, select 'Install Software Automatically' and continue through the remaining steps.

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



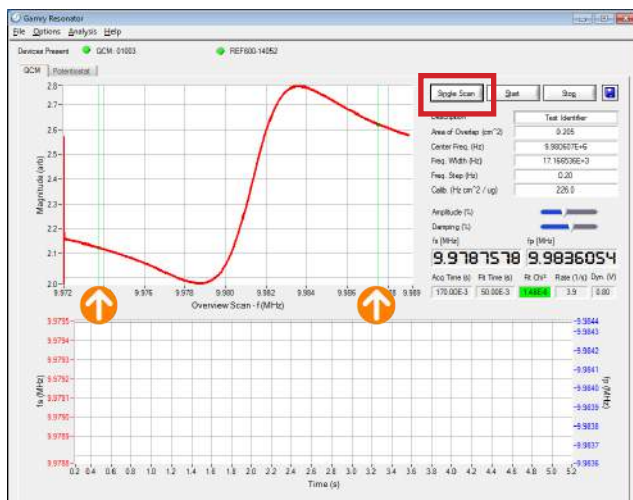
6 Confirm that your eQCM is recognized properly in the Resonator software.

- 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.



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.