

## Gamry instructions



1. Click on Gamry Framework software link on computer desktop.

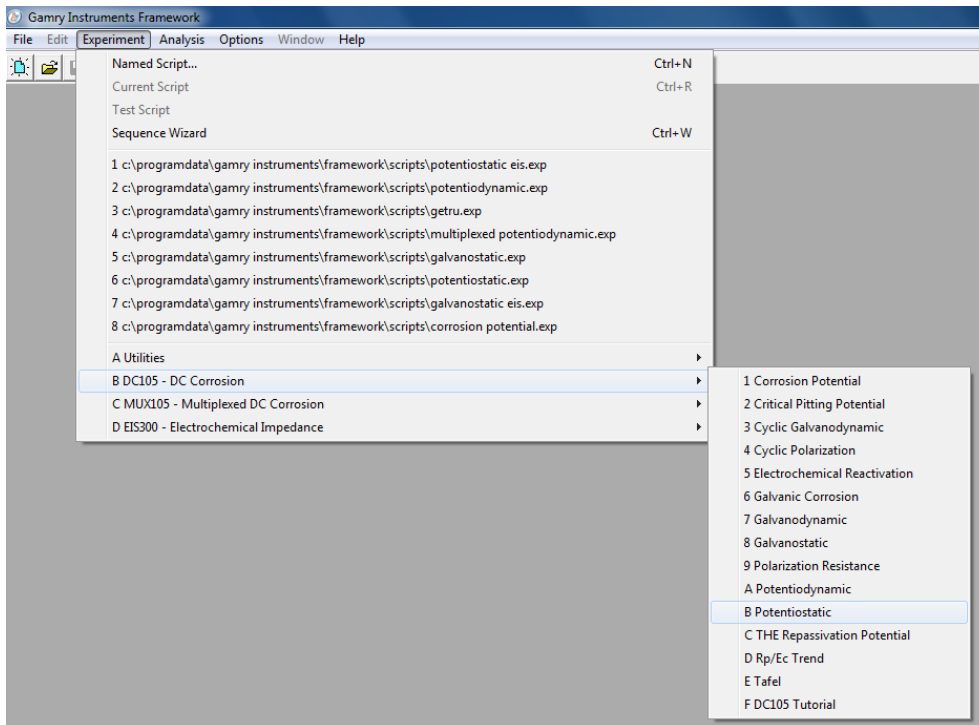


2. Turn on potentiostat power.

3. In the Gamry Instruments Framework software, click on Experiment.

Select DC105 – DC Corrosion

### Potentiostatic testing



4. Set up test parameters for your potentiostatic scan.

For each test you will input:

Output file: file name for your test, so you can find the data when the test is done.

sample area in centimeters<sup>2</sup>

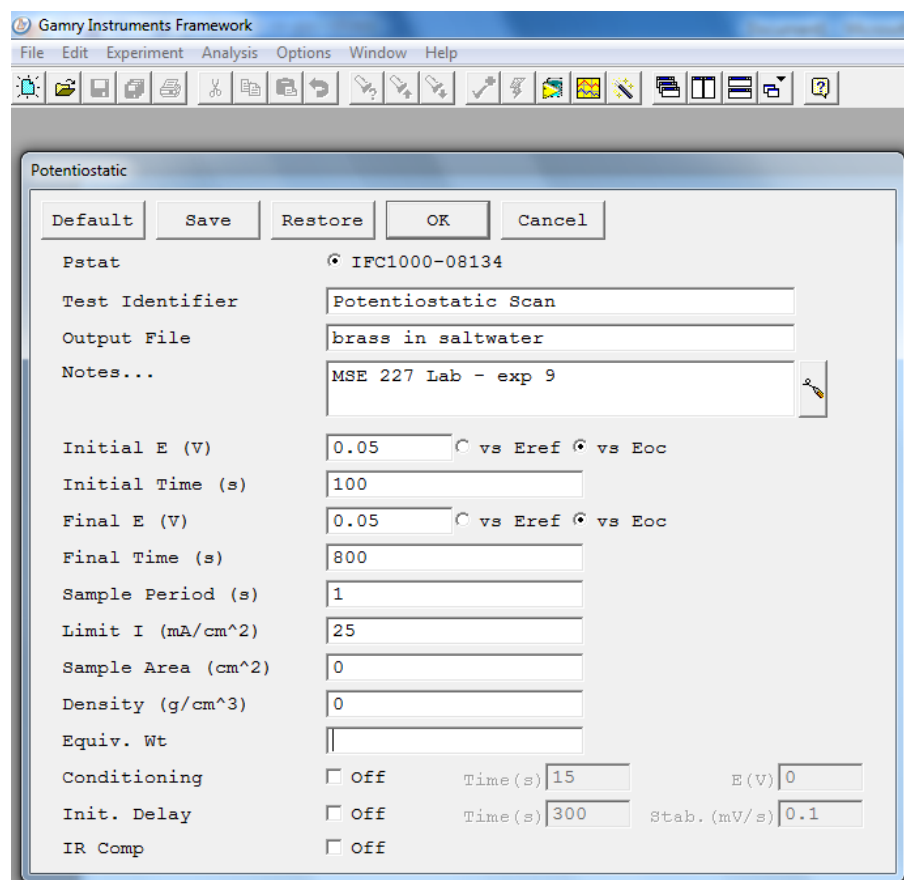
sample density: steel 7.85 g/cm<sup>3</sup>

brass 8.90 g/cm<sup>3</sup>

Equivalent weight: steel 27.92

brass 32.05

The other parameters will be the same as example below.



Enter data.

Click **OK**.

Test will start.

Potentiostat will begin collecting data.

When test is finished (roughly 15 minutes).

Click skip [F2].

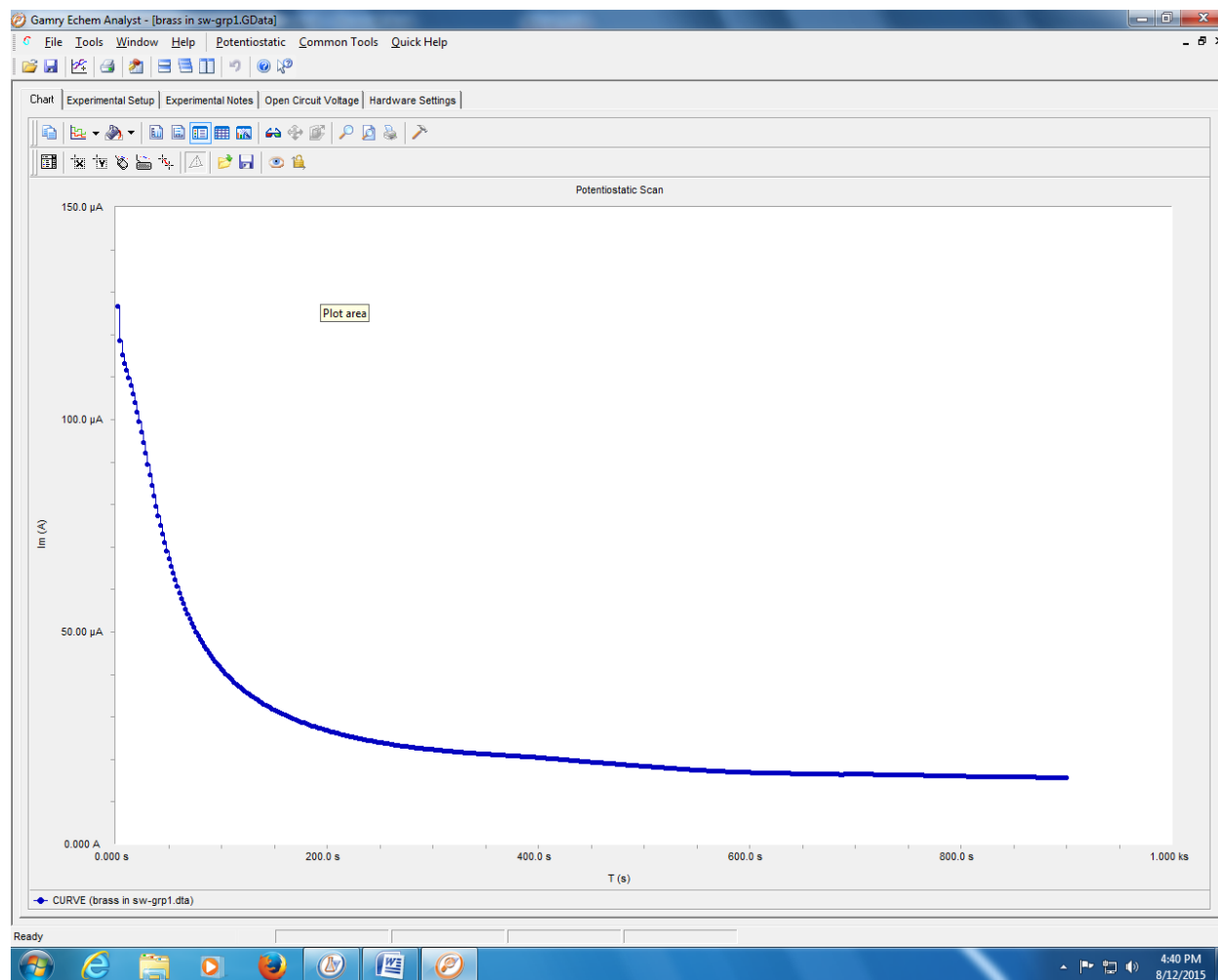
Click on **Analysis** in **Gamry Instruments Framework software** or go to the **Gamry Echem Analyst Software**.



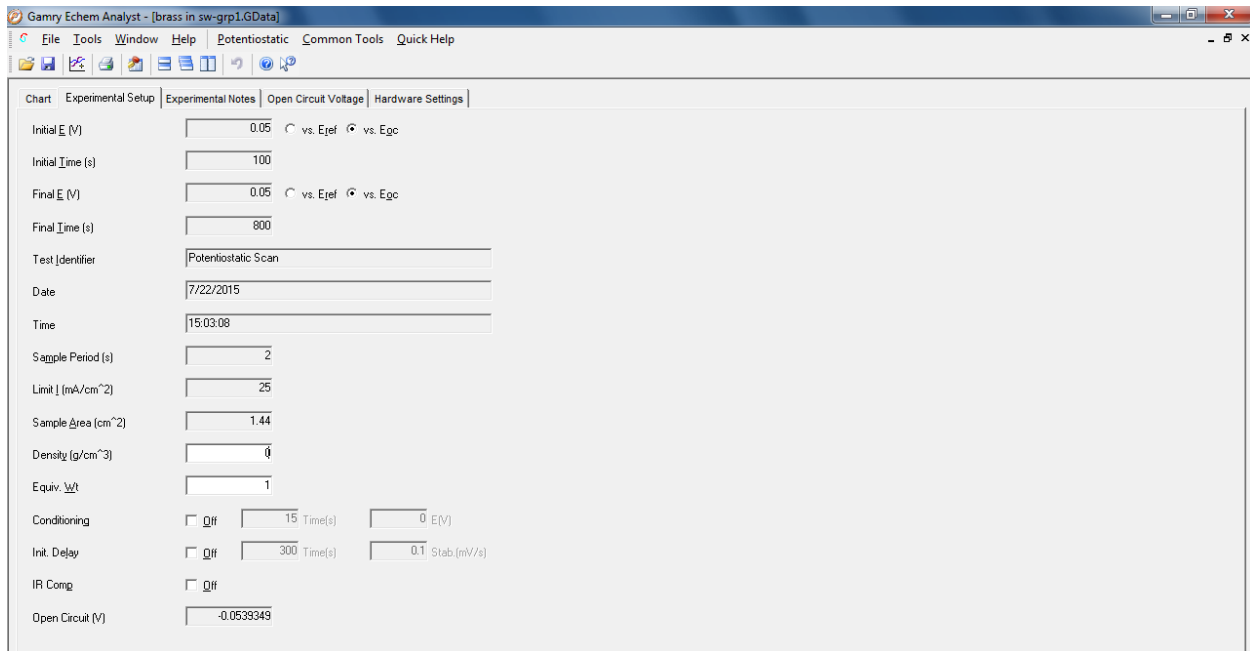
or



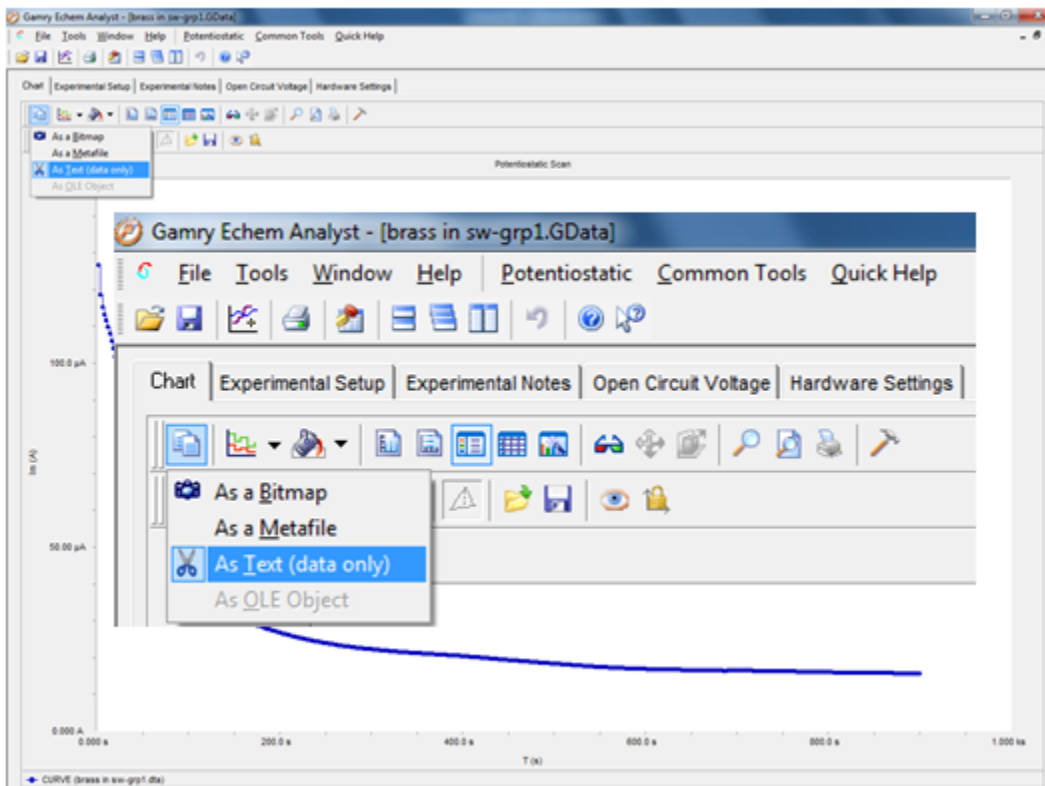
[chart] shows the test results



[experimental set up] shows the parameters used for testing.



To get your data, click on the icon below [chart] and select **as text (data only)**. Go to Excel, open a new sheet and paste data.



File Home Insert Page Layout Formulas

Cut Copy Paste Format Painter

Clipboard Font

Calibri (Body) 10

**B** *I* U

Chart 5

	A	B	C
1	XY		
2	CURVE (SteelinSW1.DTA)		
3	Time, seconds	current, Amps	
4	1.00E+00	2.54E-04	
5	2.00E+00	2.54E-04	
6	3.00E+00	2.59E-04	
7	4.00E+00	2.66E-04	
8	5.00E+00	2.76E-04	
9	6.00E+00	2.86E-04	
10	7.00E+00	2.96E-04	
11	8.00E+00	3.08E-04	
12	9.00E+00	3.20E-04	
13	1.00E+01	3.32E-04	
14	1.10E+01	3.44E-04	
15	1.20E+01	3.56E-04	
16	1.30E+01	3.69E-04	
17	1.40E+01	3.82E-04	
18	1.50E+01	3.95E-04	
19	1.60E+01	4.08E-04	
20	1.70E+01	4.21E-04	
21	1.80E+01	4.34E-04	
22	1.90E+01	4.47E-04	
23	2.00E+01	4.60E-04	
24	2.10E+01	4.73E-04	
25	2.20E+01	4.86E-04	
26	2.30E+01	4.99E-04	
27	2.40E+01	5.12E-04	
28	2.50E+01	5.25E-04	
29	2.60E+01	5.38E-04	
30	2.70E+01	5.51E-04	
31	2.80E+01	5.64E-04	
32	2.90E+01	5.77E-04	
33	3.00E+01	5.89E-04	
34	3.10E+01	6.02E-04	
35	3.20E+01	6.15E-04	
36	3.30E+01	6.27E-04	
37	3.40E+01	6.39E-04	
38	3.50E+01	6.52E-04	