Electrochemical Techniques for Gamry Reference and Interface line of Potentiostats

GAMRY INSTRUMENTS

	Interface 1010T/1000T	Interface 1010B/1000B	Interface 1000A(NA)	Interface 1010E/1000E	Interface 5000P	Interface 5000E	Reference 620	Reference 3000/3000AE
Electrochemical Impedance Spectroscopy								
Potentiostatic Impedance Spectroscopy	●	●		●	●	●	●	●
Potentiostatic EIS Repeating	●	●		●	●	●	●	●
Galvanostatic Impedance Spectroscopy	●	●		●	●	●	●	●
Hybrid Impedance Spectroscopy	●	●		●	●	●	●	●
Single Frequency Impedance Spectroscopy	●	●		●		●	●	●
Mott-Schottky	●	●		●		●	●	●
OptiEIS Multisine Potentiostatic Impedance Spectroscopy				●		●	●	●
OptiEIS Multisine Galvanostatic Impedance Spectroscopy				●		●	●	●
DC Corrosion Techniques								
Corrosion Potential	●	●	●	●		●	●	●
Linear Polarization Resistance	●	●	●	●		●	●	●
Tafel scan	●	●	●	●		●	●	●
Potentiodynamic scan	●	●	●	●		●	●	●
Cyclic Polarization	●	●	●	●		●	●	●
Electrochemical Reactivation	●	●	●	●		●	●	●
Galvanic corrosion	●	●	●	●		●	●	●
Galvanodynamic	●	●	●	●		●	●	●
Cyclic Galvanodynamic	●	●	●	●		●	●	●
Galvanostatic	●	●	●	●		●	●	●
Potentiostatic	●	●	●	●		●	●	●
THE Repassivation Potential	●	●	●	●		●	●	●
Critical Pitting Potential	●	●	●	●		●	●	●
Critical Pitting Temperature			●	●		●	●	●
Cyclic Thermammetry			●	●		●	●	●
Rp/Ec Trend	●	●	●	●		●	●	●
Electrochemical Noise (including Electrochemical Signal Analyzer)			●	●		●	●	●

	Interface 1010T/1000T	Interface 1010B/1000B	Interface 1000A(NA)	Interface 1010E/1000E	Interface 5000P	Interface 5000E	Reference 620	Reference 3000/3000AE
Physical Electrochemistry								
Cyclic Voltammetry	●	●	●	●	●	●	●	●
Linear Sweep Voltammetry	●	●	●	●	●	●	●	●
Chronopotentiometry	●	●	●	●	●	●	●	●
Chronocoulometry	●	●	●	●	●	●	●	●
Chronoamperometry	●	●	●	●	●	●	●	●
Repeating Chronoamperometry	●	●	●	●	●	●	●	●
Repeating Chronopotentiometry	●	●	●	●	●	●	●	●
Controlled Potential Coulometry (Bulk Electrolysis)	●	●	●	●	●	●	●	●
Multiple-Step Chronoamperometry	●	●	●	●	●	●	●	●
Multiple-Step Chronopotentiometry	●	●	●	●	●	●	●	●
AC Voltammetry				●		●	●	●
Pulse Voltammetry								
Differential Pulse Voltammetry	●	●	●	●		●	●	●
Normal Pulse Voltammetry	●	●	●	●		●	●	●
Reverse Normal Pulse Voltammetry	●	●	●	●		●	●	●
Differential Pulse Stripping Voltammetry	●	●	●	●		●	●	●
Square Wave Voltammetry	●	●	●	●		●	●	●
Square Wave Stripping Voltammetry	●	●	●	●		●	●	●
Normal Pulse Stripping Voltammetry	●	●	●	●		●	●	●
Reverse Normal Pulse Stripping Voltammetry	●	●	●	●		●	●	●
Potentiostatic Generic Pulse	●	●	●	●		●	●	●
Galvanostatic Generic Pulse	●	●	●	●		●	●	●
Sample DC Voltammetry	●	●	●	●		●	●	●
Electrochemical Frequency Modulation (EFM)								
EFM			●	●		●	●	●
EFM Trend			●	●		●	●	●

	Interface 1010T/1000T	Interface 1010B/1000B	Interface 1000A (NA)	Interface 1010E/1000B	Interface 5000P	Interface 5000E	Reference 620	Reference 3000/3000AE
Electrochemical Energy								
Cyclic Charge Discharge	●	●	●	●	●	●	●	●
Charge	●	●	●	●	●	●	●	●
Discharge	●	●	●	●	●	●	●	●
Polarization Curve	●	●	●	●	●	●	●	●
Galvanostatic	●	●	●	●	●	●	●	●
Potentiostatic	●	●	●	●	●	●	●	●
Cyclic Voltammetry	●	●	●	●	●	●	●	●
Leakage Current	●	●	●	●	●	●	●	●
Read Voltage	●	●	●	●	●	●	●	●
Self-Discharge	●	●	●	●	●	●	●	●
Potentiostatic Intermittent Titration Technique	●	●	●	●	●	●	●	●
Galvanostatic Intermittent Titration Technique	●	●	●	●	●	●	●	●

Note: This is a list of the standard techniques that are available. Gamry is able to customize numerous more experiments than those listed here using our Open-Source Scripting language, Explain™. Additionally, many of these techniques can be sequenced together using our Sequence Wizard. Contact Gamry to discuss your needs.