

# POTENTIOSTAT / GALVANOSTAT / EIS

Advanced Electrochemical Workstation for Research & Innovation

High-performance Potentiostat/Galvanostat with Electrochemical Impedance Spectroscopy (EIS) designed for precise measurement and analysis of electrochemical systems, materials, and energy storage devices.



## KEY FEATURES



**High Precision Measurements**  
Accurate potential and current control with ultra-low noise for reliable results.



**Versatile Operating Modes**  
Potentiostat, Galvanostat, and EIS for comprehensive electrochemical analysis.



**Wide EIS Frequency Range**  
From 10  $\mu$ Hz to 7 MHz for detailed impedance characterization.



**High Impedance & Stability**  
Input impedance  $\geq 10^{12} \Omega$  ensures minimal signal loss and high stability.



**Powerful Software**  
Windows-based software with advanced electrochemical techniques and data analysis tools.



**Flexible Connectivity**  
USB and Ethernet interfaces for easy integration and data transfer.

## TECHNICAL SPECIFICATIONS

Parameter	Specification
Operating Modes	Potentiostat / Galvanostat / EIS
Applied Potential Range	$\pm 10$ V
Compliance Voltage	$\pm 20$ V (typical)
Current Ranges	10 pA to 1 A (auto-ranging, model dependent)
Current Resolution	Up to 1 pA
Potential Resolution	1 $\mu$ V
EIS Frequency Range	10 $\mu$ Hz to 7 MHz (depending on model)
Impedance Accuracy	$\pm 1\%$
Input Impedance	$\geq 10^{12} \Omega$
Data Acquisition	High-speed digital sampling
Control Software	Windows-based with CV, LSV, DPV, SWV, CA, CP, EIS, and Tafel analysis
Interface	USB / Ethernet
Power Supply	100 – 240 V AC, 50/60 Hz
Dimensions (WxDxH)	Model dependent
Weight	Model dependent

## TYPICAL APPLICATIONS



**Battery Research**  
Li-ion, Na-ion, Solid-state batteries



**Supercapacitors**  
Performance and lifetime analysis



**Fuel Cells**  
Efficiency and durability testing



**Corrosion Studies**  
Materials corrosion and protection



**Sensors**  
Electrochemical sensor development



**Material Research**  
Electrochemical material evaluation

## ELECTROCHEMICAL TECHNIQUES SUPPORTED

CV	LSV	DPV	SWV	CA	CP	EIS	Tafel
Cyclic Voltammetry	Linear Sweep Voltammetry	Differential Pulse Voltammetry	Square Wave Voltammetry	Chronoamperometry	Chronopotentiometry	Electrochemical Impedance Spectroscopy	Tafel Plot Analysis



Accurate & Reliable Results



Advanced Performance



Robust & Durable



Research Grade

**Empowering Innovation in Electrochemical Research**