Models		Single channel models (ordinary benchtope type) (**±2A**,±10V)					Single channel Portable potentiostat (**±45mA**,±10V)		Bipotentiostat (**±2A**, ±10V)		Multichannel potentiostat (**±1A**, ±10V) CS3104 & CS3004: **4-channel** CS3108 & CS3008: **8-channel**			
Techniques		**CS120**	**CS150**	**CS300**	**CS310**	**CS350**	**CS100**	**CS100E**	**CS2150**	**CS2350**	**CS3104**	**CS3004**	**CS3108**	**CS3008**
		No EIS			**With EIS**		**No EIS**	**With EIS**	**No EIS**	**EIS * 1**	**EIS * 1**	**EIS * 4**	**EIS * 1**	**EIS * 8**
Stable polarization	Open Circuit Potential (OCP)	√	√	√	√	√	√	√	√	√	√	√	√	√
	Potentiostatic (i-t curve)	√	√	√	√	√	√	√	√	√	√	√	√	√
	Galvanostatic		√	√	√	√	√	√	√	√	√	√	√	√
	Potentiodynamic(Tafel plot)	√	√	√	√	√	√	√	√	√	√	√	√	√
	Galvanodynamic		√	√	√	√	√	√	√	√	√	√	√	√
Transient polarization	Multi-Potential Steps	√	√	√	√	√	√	√	√	√	√	√	√	√
	Multi-Current Steps		√	√	√	√	√	√	√	√	√	√	√	√
	Potential Stair-Step (VSTEP)	√	√	√	√	√	√	√	√	√	√	√	√	√
	Galvanic Stair-Step (ISTEP)		√	√	√	√	√	√	√	√	√	√	√	√
Chrono methods	Chronopotentiometry (CP)		√	√	√	√	√	√	√	√	√	√	√	√
	Chronoamperometry (CA)		√	√	√	√	√	√	√	√	√	√	√	√
	Chronocoulometry (CC)		√	√	√	√	√	√	√	√	√	√	√	√
Voltammetry	Cyclic Voltammetry (CV)	√	√	√	√	√	√	√	√	√	√	√	√	√
	Linear Sweep Voltammetry (LSV)(I-V)	√	√	√	√	√	√	√	√	√	√	√	√	√
	Staircase Voltammetry (SCV) #			√		√	√	√		√	√	√	√	√
	Square wave voltammetry (SWV) #			√		√	√	√		√	√	√	√	√
	Differential Pulse Voltammetry (DPV)#			√		√	√	√		√	√	√	√	√
	Normal Pulse Voltammetry (NPV)#			√		√	√	√		√	√	√	√	√
	Differential Normal Pulse Voltammetry (DNPV)#			√		√	√	√		√	√	√	√	√
	AC voltammetry (ACV) #			√		√	√	√		√	√	√	√	√
	2nd Harmonic A.C.Voltammetry (SHACV)			√		√	√	√		√	√	√	√	√
Amperometry	Differential Pulse Amperometry (DPA)			√		√	√	√		√	√	√	√	√
	Double Differential Pulse Amperometry (DDPA)			√		√	√	√		√	√	√	√	√
	Triple Pulse Amperometry (TPA)			√		√	√	√		√	√	√	√	√
	Integrated Pulse Amperometric Detection (IPAD)			√		√	√	√		√	√	√	√	√
EIS	EIS vs Frequency (IMP)				√	√		√		√	√	√	√	√
	Galvanostatic EIS				√	√		√		√	√	√	√	√
	EIS vs Potential (IMPE) (Mott-Schottky)				√	√		√		√	√	√	√	√
	EIS vs Time (IMPT)				√	√		√		√	√	√	√	√
	Galvanostatic EIS vs Time				√	√		√		√	√	√	√	√
Corrosion test	Cyclic polarization curve (CPP)		√	√	√	√	√	√	√	√	√	√	√	√
	Linear polarization curve (LPR)		√	√	√	√	√	√	√	√	√	√	√	√
	Electrochemical Potentiokinetic Reactivation (EPR)		√	√	√	√	√	√	√	√	√	√	√	√
	Electrochemical Noise (EN)		√	√	√	√	√	√	√	√	√	√	√	√
	Zero resistance Ammeter (ZRA)		√	√	√	√	√	√	√	√	√	√	√	√
Battery test	Battery charge and discharge		√	√	√	√	√	√	√	√	√	√	√	√
	Galvanostatic charge and discharge (GCD)		√	√	√	√	√	√	√	√	√	√	√	√
	Potentiostatic Charging and Discharging(PCD)		√	√	√	√	√	√	√	√	√	√	√	√
	Potentiostatic Intermittent Titration Technique(PITT)		√	√	√	√	√	√	√	√	√	√	√	√
	Galvanostatic Intermittent Titration Technique(GITT)		√	√	√	√	√	√	√	√	√	√	√	√