

Potentiostat

Principle

Electrochemical analyses, characterization of electrodes, corrosion measurements

Manufacturer	Gamry Instruments
Types	Reference 3000™, Reference 3000 Auxiliary Electrometer™
Electrochemical Methods	Chronoamperometry, Chronopotentiometry, Voltammetry (cyclic, linear), Electrochemical impedance spectroscopy, Corrosion potential and current, Galvanic corrosion etc.
Voltage Range	$U = \pm 11 \text{ V}, \pm 32 \text{ V} / \Delta U_{min} = 1 \mu\text{V}$
Current Range	$I = \pm 3 \text{ A}, \pm 1.5 \text{ A} / \Delta I_{min} = 100 \text{ aA}$
Wave Band	10 μHz - 1 MHz
Optional Equipment	Reference 30k Booster™ (current amplification: $I = \pm 30 \text{ A}, +20 \text{ V}$)