

Hardware Options

| Option | Function | ext | int | EPC40 needed |
|--------------|---|-----|-----|--------------|
| TEMP/U | 2 inputs for thermocouples + 2 voltage inputs | | x | |
| DA4 | 4 analogue outputs | | x | |
| RMux | Relais multiplexer for internal potentiostat | | x | |
| PwrMux | Power multiplexer for PP series potentiostat | x | x | |
| TR8M | Transient recorder up to 20 MHz | | x | |
| HiZ probe | High impedance probe set | x | | |
| LoZ | Cable set for low impedances | x | | |
| EPC40 | Control module for up to 4 external potentiostats | | x | |
| EPot | External standard potentiostat | x | | x |
| PP series | External power potentiostats | x | | x |
| EL series | External electronic one quadrant potentiostats | x | | x |
| NProbe | Probe set for measuring electrochemical noise | x | | x |
| COLT | Set-up for coating and laminate testing | | | |
| CIMPS | Set-up for photo-intensity controlled IMPS | x | | x |
| EIChem Cells | KMZ and AMZ type cells for various applications | | | |

Supported Methods

| Supported Method | Module | Option |
|---|--------|--------|
| Electrochemical Impedance Spectroscopy | EIS | - |
| EIS Series Measurements vs. Parameters | EIS | - |
| Impedance Network Analysis, Simulation & Fitting | SIM | - |
| Impedance/Parameter, Capacity/Voltage Curves | C/E | - |
| AC Voltammetry | C/E | - |
| Cyclic Voltammetry | CV | - |
| Steady State Current/Voltage Curves | I/E | - |
| Multi-Cell Current/Voltage Curves | MI/E | EPC40 |
| Corrosion / Polarisation Measurement | POL | - |
| Chronoamperometry | PVI | - |
| Linear Sweep Voltammetry | PVI | - |
| Electrochemical Noise | NOISE | Noise |
| CorrEINoise | NOISE | Noise |
| Tast Polarography | PGY | - |
| Differential Pulse Polarography | PGY | - |
| Differential Pulse Voltammetry | PGY | - |
| Stripping Voltammetry | PGY | - |
| Standard Addition Measurement & Analysis | PGY | - |
| Universal Measurement Data Acquisition & Control | ACQ | NET* |
| Universal Frequency Analysis | FRA | - |
| AC-DC-AC Tests | COLT | COLT |
| Layer Quality Test / Bi-Layer Test | COLT | COLT |
| Fast Pulse & Transient Recording | TRC | TR8M |
| High Current Interrupt Measurements | PULSE | TR8M |
| Relaxation Voltammetry | RV | Noise |
| Controlled Intensity Modulated Photo-Spectroscopy | CIMPS | CIMPS |
| Programmable Procedures | SCRIPT | - |