USB Potentiostat/galvanostat SDPS-511U Specifications

【Overview】

　Since it is USB type potentiostat/galvanostat, it is significantly smaller and lighter than conventional potentiostat/galvanostat.

【Structure/ Appearance】

Electrochemical measurement is now possible simply by inserting this instrument into a notebook PC. Since the power is supplied from the PC , it can be operated without an AC 100V power supply.

【Specifications】

Function	Potentiostat, Galvanostat, Electrometer
Maximum Output Voltage	±4V
Maximum Output Current	±300mA(When External Power is supplied)
A/D Converter Resolution	16bit
Current Detection Range	±300mA、±30mA、±3mA、±300μA、±30μA、±3μA、±300nA
Potential Measurement Range	±4V
Range Conversion	Auto, Manual
Potential Detection Method	Differential Method
Potential Input Impedance	10^{11}Ω
Connecting Method	WE Ground、CE Ground
Weight	App. 200g
Size	85mm(W)×110mm(D)×35mm(H)(Excluding Protrusion and Cable)
Accessories	Measuring Cable

【Software】

Standard Attachment Measurement Program	・Constant potential measurement ・Constant current measurement ・Natural corrosion potential measurement ・LSV (Linear Sweep Voltammetry) ・CV (Cyclic Voltammetry)
Polarization Curve Termination Condition	Potential absolute value, polarization width, current value (anode), current value (cathode)
Measurement Interval	10ms〜
Maximum number of samples	Depending on the storage of Hard Disk
Connecting Method Setting	Switching function between WE Ground and CE Ground.
Data Format	CSV Format
Utility Software	Data Editing Utility included
Compactible OS	Windows2000、Windows XP、Windows Vista、Windows7、Windows10

【Equipment Set Sample】

SDPS-511U (Main body)	AC Adaptor

○Accessories

　Measuring Cable

○Separated Purchase Required

　Output BNC Cable, AC Adaptor

　※It is recommended to purchase the specified products for compatibility

　with the equipment.

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