

# 4ch Potentiostat /Current Measurement System SDPS-314

## Specifications

### 【Overview】

Up to 4 channels can be measured in one of three modes: potentiostat(constant potential), galvanostat(constant current) and electrometer(potential measurement).

### 【Structure/Appearance】



### 【Specifications】

Function	Potentiostat、Galvanostat、Potential Measurement
Number of Input Channels	4ch (each channel independent)4-wire system
Maximum Output	$\pm 4V$ 、 $\pm 200mA$ (Optional $\pm 1A$ for 1ch only)
Current Detection Range	200mA、20mA、2mA、 $200\mu A$ 、 $20\mu A$ 、 $2\mu A$ 、200nA Total 7 Ranges
Current Range Switching	Auto
Potential Detection Method	Differential Method
Electrometer Input Resistance	$10^{11}\Omega$
Frequency Characteristics	DC~1kHz-3 dB(1Hz with Filter)
Potential Setting	$\pm 2.5V$ 、 $\pm 4V$
Noise Filter	Analog and Digital Filters
Connection Method	WE ground、CE ground
Size	370mm(W) $\times$ 330mm(D) $\times$ 100mm(H) (Excluding Protrusions and cables)
Weight	App. 3.4kg

## 【Control Software Specifications】

Function	Constant potential electrolysis holding, constant current electrolysis holding, self-potential measurement
Maximum Number of Samples	Depending on hard disk (about 6MB per month at 10 seconds intervals)
Data Display Method	Time Change Graph, Digital Display
Connecting Method Setting	Switching Function for WE Ground and CE Ground
Independence between channels	Fully Independent Operation Possible
Data Format	CSV Format

## 【Equipment Set】

SDPS-314(Main body)



Measuring Cable



Electrical Cable



Control USB Cable



Control Software CD-ROM



Control PC



### ○Accessories

Measuring Cables (4 cables per device), Power Supply Cable, USB Cable, Control Software CD-ROM

### ○Separated Purchase Required

Control PC (Be able to use own PC)

※It is recommended to purchase the specified products for compatibility with the equipment.