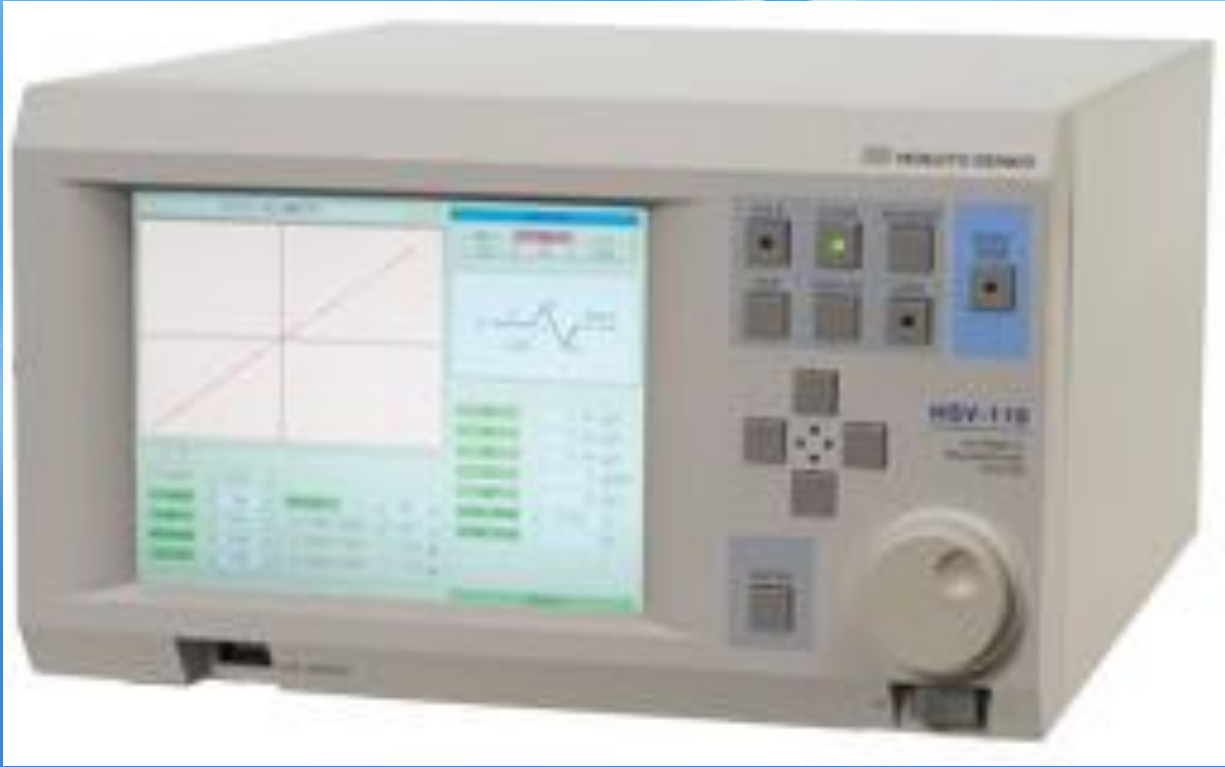




Automatic Polarization System HSV-110



HD HOKUTO DENKO
HOKUTO

**Automatic Polarization System
HSV-110**



About Automatic Polarization System HSV-110

HSV-110 is a compact and high performance potentiostat / galvanostat which is equipped with a LCD monitor and includes data memory function. HSV-110 can perform electrochemical measurements of varieties.



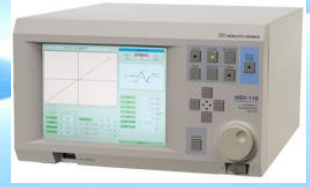


Features

7 basic measurement techniques are available.

Sweep technique	CV (Cyclic Voltammetry) LSV (Linear Sweep Voltammetry)
Step technique	CA (Double Step Chrono-Amperometry) CP (Single Step Chrono-Potentiometry) CA (Single Step Chrono-Amperometry) CP (Double Step Chrono-Potentiometry)
Others	Rest Potential Measurement

- Color LCD displays measurement waveform , so HSV-110 is available in stand-alone mode.
- Measured data can be saved in USB memory.
- Measurement condition can be changed even during the measurement. Preliminary test can be done easily.
- Digital filter reduces the noise.
- It connects with PC via Ethernet and remote control operation is also possible. (option)



Specification

Potentiostat	
Maximum Output Voltage	$\pm 12V$
Maximum Current	$\pm 100mA$
Current Ranges	100mA, 10mA, 1mA, 100 μA , 10 μA , 1 μA , 100nA, 10nA, AUTO (8 ranges and auto range)
Control potential	0 $\sim \pm 6V$ (setting resolution : 1mV)
Function generator	
Slope sweep rate	10V/sec \sim 1mV/min (7 ranges)
Cycle number of CV	1 \sim 99 cycles and continuous
Step time setting range	1ms \sim 999.9min (sec/min: two ranges)
Data measurement	
Potential measurement accuracy	$\pm 0.2\%$ of reading ± 1 mV
Current measurement accuracy	100mA \sim 10 μA range : $\pm 0.5\%$ of reading $\pm 0.2\%$ of Full Scale Range 1 μA \sim 10nA range : $\pm 2\%$ of reading $\pm 2\%$ of Full Scale Range
Data sampling interval	20 μS \sim 1min (8 ranges and Auto range)
Monitor / record / output	
Measurement monitor display	6.5 inch color LCD
Memory output	USB memory available
Connection to remote control PC	Ethernet, OS: Windows Vista Business, WindowsXP professional
Others	
Dimensions(W \times H \times D)	260 \times 165 \times 313mm
Weight	5.0Kg
Power	AC100V \sim 240V 0.6A