



Electrochemical Workstation: SP 150 & SP 200

In Charge: Dr. A. Chandra Bose

Specifications

Electrochemical workstation: SP 150

Compliance voltage	: 20V
Applied Potential range	: $\pm 10V$
Current accuracy	: 0.1 % or less
Current Range	: 20nA to 1A
Voltage Resolution	: 10 μ V or better
Voltage accuracy	: 0.1% or less
Rise time	: 20 micro seconds or better
Current Resolution	: 1000pA
Frequency Response	: 10 μ Hz-1MHz
Input impedance	: 1 Tera Ohm
Bias current	: 5 pico amps or less
Amplitude	: 1mV to 1V peak to peak
Acquisition speed	: 200,000 Data points/sec
Bandwidth	: 1 MHz

Electrochemical workstation: SP 200

Compliance voltage	: $\pm 12V$
Applied Potential range	: $\pm 10V$
Current accuracy	: 0.1 % or less

Current Range	: 1pA to 1A
Voltage Resolution	: 2 μ V or better
Voltage accuracy	: 0.1% or less
Rise time	: 500 nano seconds or better
Current Resolution	: 1000fA
Frequency Response	: 10 μ Hz-7 MHz
Input impedance	: 1 Tera Ohm
Bias current	: 1 pico amps or less
Amplitude	: 1mV to 2.5V peak to peak
Acquisition speed	: 10,00,000 Data points/sec
Bandwidth	: 7 MHz