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TECHNOLOGY GROUP

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Model 600A Series Potentiostat/Galvanostat

Hardware Specifications

Potentiostat rise time: < 2μ s

Galvanostat (Model 660A only)

Compliance voltage: ± 12 V

Input impedance of reference electrode: 10^{12} ohm

Minimum potential increment in CV: 100 μ V

Potential update rate: 5 MHz

Maximum sampling rate: 500 kHz

Low current measurability: below 50 pA

iR compensation: positive feedback

Automatic re-zeroing

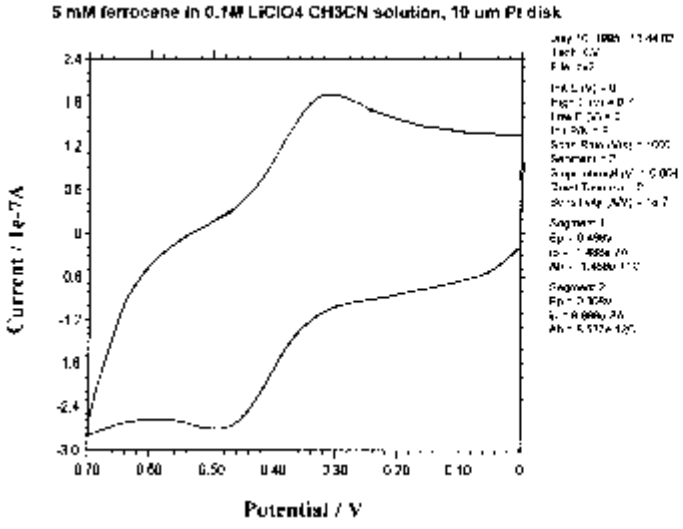
Cell control: purge, stir, knock

Dimension: 12.5"(W) × 11"(D) × 4.75"(H)

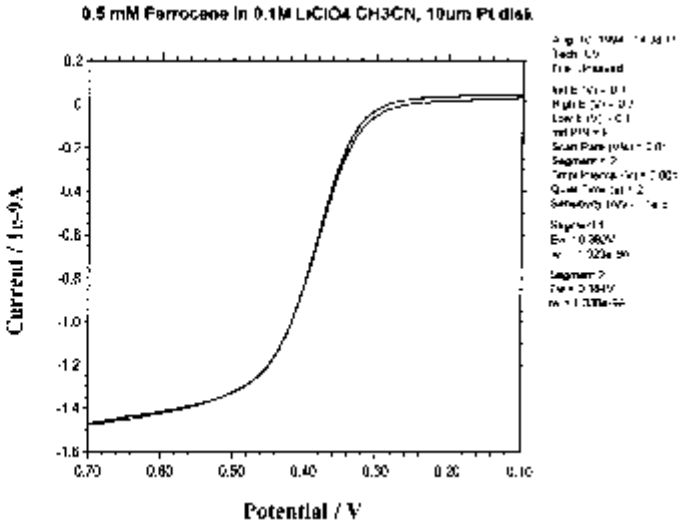
Weight: 15 Lb.

Dynamic Range of Some Experimental Parameters for Model 600A Series

Parameters	***Range***	***Techniques***
Potential (V)	-10 to +10	
Current (A)	0 to ± 0.25	
Sensitivity (A/V)	1×10^{-12} to 0.1	
Scan rate (V/s)	0.000001 to 5000	CV,LSV
Pulse width (sec)	0.0001 to 1000	CA, CC
Pulse width (sec)	0.001 to 10	DPV, NPV
	0.0001 to 10	DPV, NPV
Sample width (sec)	1 to 100000	SWV
Frequency (Hz)	1 to 10000	ACV
Frequency (Hz)	1 to 1000	SHACV
Frequency (Hz)	0.0001 to 100000	IMP
Frequency (Hz)		



cyclic voltammogram at 1000 V/s



Cyclic voltammogram at an ultramicroelectrode

(Without Picamp Booster)

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