

HEFASTAT ECP100 DEVICE SPECIFICATIONS

<i>System</i>	<i>ECP100</i>
Cell Connections	2 or 3 electrode
Min Current	1 μ A
Max Current	10 mA
Current Steps	4
Min Potential Step	152.5 μ V
Potential Scan Range	± 5 V
Min Measured Potential Resolution	187.5 μ V
Measured Potential Accuracy	± 1 mV $\pm 0.1\%$ of range
Min Applied Potential Resolution	152.5 μ V
Applied Potential Accuracy	± 610 μ V $\pm 0.1\%$ of range
Min Measured Current Resolution	20pA
Measured Current Accuracy	± 50 pA $\pm 0.1\%$ of range
Min Applied Current Resolution	X
Applied Current Accuracy	X
<i>Control Amplifier</i>	
Compliance Voltage	± 8 V
Output Current	± 50 mA
Unity Gain Bandwidth	100 kHz
<i>Electrometer</i>	
Input Impedance (CM)	$>10^{12}$ Ω
Input Leakage Current (Typical)	<50 pA
Bandwidth (Typical)	>2 MHz
<i>EIS</i>	
Scan Range	X