



ECi-001 is a small-sized entry-level potentiostat/galvanostat, perfect for classrooms.

The potentiostat is plug-and-play. Just connect it to a computer, navigate to app.nordicec.com and start.

Power Amplifier, Control Modes and	
Voltage Compliance	$\pm 2.3\text{V}$
Current Compliance	$\pm 10\text{mA}$
Control Modes	Potentiostat: $\pm 2.3\text{V}$ Galvanostatic: $\pm 2\times$ of full scale or $\pm 10\text{mA}$;
Control Loop Bandwidth	1kHz
Supported Techniques	Set value Sweeping (LSV, CV, etc.) Stairs (Staircase voltammetry etc.) Stepping (amperometry, etc.)
Data Acquisition	
AI Resolution	10bit, oversampling to 14bit and averaging
Voltage Measurement Range	$\pm 2.3\text{V}$
Current Measurement Ranges	7 ranges: $\pm 2\times$ (100mA, 10mA, 1mA, 100uA, 10uA, 1uA, 100nA)
AI Sampling rate(samples per second)	10k
AO Resolution	12bit
AO Sampling rate (samples per second)	10k
Electrometer	
Max. Input Range	$\pm 2,5\text{V}$
Bandwidth	$\geq 1\text{MHz}$ (3dB)
Input Impedance	$\geq 10^{12} \Omega$ in parallel with $\leq 5\text{pF}$ (typical)
Leakage Current	$\leq 5\text{pA}$ at less than 25°C
PC / Software	
Hardware Interface	Universal Serial Bus (USB)
Software Communication	Serial commands(RS-232) via commands
Operating System	Windows® XP, Vista, 7 and 8,10 (64-bit & 32-bit) Linux, Raspberry PI, and others.
PC Specification (minimum)	Pentium® 4 (1GHz) / 2 GB memory
Software	Web based https://app.nordicec.com
General	
Power	USB Powered (5V, 200mA) or DC 7-12V
Dimensions (L x W x H)	appr. 60 x 451 x 25mm
Weight	appr. 0.1 kg
Operating Temperature Range	10°C to 50°C
Humidity	Maximum 80% non-condensing
Temperature (specified)	25°C
CE marking	Yes



NORDIC ELECTROCHEMISTRY ApS

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