



ECi-210 is a powerful potentiostat/galvanostat for advanced laboratory work.

Power Amplifier, Control Modes	
Voltage Compliance	±15V
Current Compliance	±200mA; Optional: ±500mA; ±1000mA; ±2000mA
Control Modes	Potentiostat: ±10V (WE-RE) Cell: ±10V ( WE-CE) Galvanostatic: ±2x of current scale;
Control Loop Bandwidth	Max 3MHz
Stability Settings	8 settings: 3MHz, 300kHz, 30kHz, ...
Data Acquisition and Control	
Voltage Measurement Range	±10V
Current Measurement Ranges	10 linear ranges: 1A ,100mA,10mA, ..., 100nA, 10nA, 1nA 1 logarithmic range (optional) ....10nA to 10mA
AI Resolution	16bit
AI Sampling rate(samples per second)	2M(singe channel) 1M (multiplexing)
AO Resolution	16bit
AO Sampling rate (samples per second)	2.86M
Electrometer	
Max. Input Range	±10V
Bandwidth	≥1MHz (3dB)
Input Impedance	≥10 <sup>12</sup> Ω in parallel with ≤5pF (typical)
Leakage Current	≤5pA at less than 25°C
CMRR	60 dB at 100kHz (typical)
PC / Software	
Hardware Interface	Universal Serial Bus (USB)
Operating System	Windows® Vista, 7 and 8,10,11 (64-bit & 32-bit)
PC Specification (minimum)	Pentium® 4 (1GHz) / 4 GB memory
Software	EC4™ DAQ

Interface Modules	
Analog Voltage Output (Optional)	±10V range, max ±10mA, output impedance 1kΩ BNC connector (for stirrers, rotating disk electrode etc.)
Digital inputs (optional)	4 TTL logic inputs: Low(0-1V), High(3-30V).
Digital Outputs (optional)	4 Output Switch. Rating: Low(0 V), High(3-30V)
Auxiliary Voltage/Current Input for multi electrode measurements. (Optional)	Voltage: 8 signals vs sense or 4 signals measured differentially. ±10V range. Current input: 8 signals. ±5mA
Thermometer: RTD(Pt100) Driver	Current source for driving a RTD Pt100 Temperature range: -50 to 400°C
General	
Power	Voltage range 90Vac to 250Vac, 50-60Hz
Dimensions (L x W x H)	appr. 360 x 250 x 190mm
Weight	appr. 6 kg
Operating Temperature Range	10°C to 50°C
Internal Dummy Cell	No
Humidity	Maximum 80% non-condensing
Temperature (specified)	25°C
CE marking	Yes



NORDIC ELECTROCHEMISTRY ApS

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CVR-NR 36056878