Potentio Galvano Scan

Entek Design — Potentiostat / Galvanostat

Potentiostat/galvanostat with analog and digital displays, up to 1 A, made in Türkiye

A potentiostat/galvanostat workstation designed and manufactured in Ankara by Entek Elektronik. With a ±10 V control input, 2 MHz bandwidth and nine current ranges up to 1 A, it is an economical solution for university laboratories and R&D departments running classical electrochemical techniques such as voltammetry, polarization and chronoamperometry.

The built-in voltage scanner (±5 V, 0.001 – 5000 mV/s) allows stand-alone CV/LSV experiments; X-Y recorder outputs and galvanostatic mode are standard. The advantage of local manufacturing: fast technical service, spare parts and customization to the researcher's requirements.



Application areas

General electrochemistry · Teaching laboratories · Corrosion

Key features

- Current range: 0.1 mA – 1 A full scale, 9 ranges; ±0.1% accuracy on every range
- Operating limits ±35 V / 1.2 A; maximum output power 40 W
- Bandwidth 2 MHz (potentiostatic mode), output slew rate 75 V/ms
- Reference electrode input 10^{12} Ω; input impedance > 10 MΩ
- Built-in scanner: ±5 V, 6-step scan rate (0.001 – 1000 mV/s, up to 5000 mV/s with ×1/2/5)
- Analog (centre-zero) and 3.5-digit digital displays; OVERLOAD warning
- Signal-to-noise ratio > 80 dB; short-circuit-protected outputs

Technical specifications

Input impedance	> 10 MΩ (control input); reference electrode input 10^{12} Ω
Input limits	±10 V (20 V total), two independent input terminals
Bandwidth	2 MHz (potentiostatic mode)
Output slew rate	75 V/ms
Operating limits	±35 V, 1.2 A; max. output power 40 W
Current range	Full scale 0.1 / 0.3 / 1 / 3 … 300 / 1000 mA (9 ranges)
Accuracy	Full scale, at least ±0.1% on every range

Displays	Analog (anodic/cathodic) + 3.5-digit digital (0.2 / 2 / 20 V full scale)
Voltage scanner	±5 V; 0.001 – 1000 mV/s (6 steps), ×1/2/5 multiplier; 10-turn fine adjustment
Output terminals	Recorder Y axis (current, 1 V full scale), X axis (scan voltage); potential output in galvano mode
Signal-to-noise	> 80 dB
Protection	Output terminals short-circuit protected
Supply	220 V / 50 Hz ±15%
Warranty	1 year

Manufacturer: Entek Elektronik, 1354. (formerly 21.) Cadde No: 32, 06378 İvedik OSB, Yenimahalle / Ankara, Türkiye. Specifications are subject to change without notice; binding values are stated in the written quotation and contract. Installation, training and after-sales support are provided by Entek Elektronik.