

# POTENTIOSTAT/GALVANOSTAT COMPACT

### Applications:

- \* Current
- \* Voltammetry
- \* Coulometry
- \* Polarization

### Mobile Solution

This low-cost, compact model is most suitable for student laboratory exercises and for field use when testing metal or for metal corrosion monitoring. Adoption of all-solid-state devices results in stability and portability. The over-current suppression circuit protects the system in case of accidental shorting of the counter and working electrodes. External control input and potential/current recording output terminals are built-in for easy drawing of the polarization curve in the field.

### Compact Design

Despite these impressive specifications, the N600-HA151 is compact and light weight. Hundreds of components in each model are built into an instrument that measures 220mm x 100mm x 360mm (WxHxD) and weighs 7.7 kilograms. Our engineers worked diligently in their efforts to build a compact instrument without sacrificing functionality or reliability. As a result, the Model N600-HA151 is a world-class research potentiostat that not only occupies minimum bench space but is easily portable as well.

### Features

- \* Multiple Uses (Potentiostat, Galvanostat, Electrometer)
- \* Versatile: Stand Alone Unit
- \* Response Time: <50usec
- \* Maximum Control Potential of +/-10V

As a Potentiostat	
(a) Max. Output voltage	± 15V
(b) Max. Output current	± 1A
(c) Current means range	± 1A, ± 100mA, ± 10mA, ± 1mA, ± 100µA, ± 10µA, ± 100µA, ± 10µA, 6-range
(d) Max. Control potential	± 10V
(e) Internal setting potential	± 2V
(f) Internal setting accuracy	0.5% (setting value) ± 3mV
(g) External control accuracy	< ± 3mV
(h) Response time	< 50µsec
(i) Reference input resistance	> 10exp10Ω
(j) Reference bias current	< 10exp-10A
(k) Temperature coefficient	30µV/°C
As a Galvanostat	
(a) Max. Output current	± 1A
(b) Max. Output voltage	± 15V
(c) Current setting range	± 1A, ± 100mA, ± 10mA, ± 1mA, ± 100µA, ± 10µA, ± 100µA, ± 10µA, 6-range
(d) Setting accuracy	< 1%
(e) Response time	< 50µsec
As an Electrometer	
(a) Input resistance	> 10exp10Ω
(b) Bias current	< 10exp-10A
(c) Response time	< 10µsec
(d) Conversion accuracy	< ± 0.1%
(e) Potential range	10V, 2V
Power Requirement	AC120V, 60Hz
Physical Dimension (WxHxD)	220mm x 100mm x 360 mm
Weight	7.7 kg



N600-HA151

Potentiostat/Galvanostat Compact