

APPLICATIONS

- Battery Testing
- Current Amplitude
- Current in Circuits
- Voltammetry
- New Battery Development

BATTERY TESTING INSTRUMENT

CHARGE/DISCHARGE UNIT

N600-HJ201B

This instrument is a **low cost battery charge discharge unit ideal for testing various types of batteries**. It is suitable for the development and evaluation of new batteries in a research environment.

Specialized multi-channel battery charge discharge systems can easily be formed by combining multiple units of HJ-201B and multi-channel intermittent recorders. Various sizes of racks are available for this purpose. Sophisticated data analysis is also possible by interfacing the auxiliary outputs of the HJ-201B to a computer system via A/D converters.

Note: We can produce a charge/discharge system to meet specific requirements. Contact us at 1-800-799-NADA for more information.



Voltage

Discharge - Range	Minus -1V to 11V
Discharge - Setting Range	Minus -1, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11
Discharge - Presetting	a 12 step rotary switch a 10 turn vernier dial
Discharge - Accuracy	< 10mV
Charge - Range	0V to 20V
Charge - Setting Range	0 to 20
Charge - Presetting	a 20 step rotary switch a 10 turn vernier dial
Charge - Accuracy	< 10mV

Current

Discharge - Current Ranges	1A, 100mA, 10mA, 1mA, 100µA
Discharge - Setting	a 5 step rotary switch a 10 turn vernier dial
Discharge - Accuracy	< 0.5% full scale
Charge - Current Ranges	1A, 100mA, 10mA, 1mA, 100µA
Charge - Setting	a 5 step rotary switch a 10 turn vernier dial
Charge - Accuracy	< 0.5% full scale

Rear View of the Unit



Timer

Discharge - Range	0 minute ~ 19 days 23 hours 50 minutes
Discharge - Presetting	6-digit digital thumbwheel switch
Rest after Disch. - Range & Pre.	Same as discharge
Charge - Range & Presetting	Same as discharge
Rest after Charge - Range & Pre.	Same as discharge
Modes	a. Constant Current & Voltage Discharge b. Rest after Discharge c. Constant Current & Voltage Charge d. Rest after Discharge
Switching	T: Automatic switching from one mode to another V, T: Automatic switching from one mode to another
Display	Day, Hour, Minute, Discharge, Discharge Rest, Charge, Charge Rest, Stand-By, Operation C/D Cycle Counter
Output - Current	10V output for every range full scale
Output - Voltage	I/O conversion ratio is switched with a toggle switch. Ratio: 2:1, 1:1, 1:2
Auxiliary Analog Output - Current	10V output for every range; +:Discharge, -:Charge
Auxiliary Analog Output - Voltage	I/O conversion ratio is 2:1
Inputs	I+: Battery + terminal I-: Battery - terminal V+: Battery sensor + terminal V-: Battery
Standard Accessories	Alligator Clips: 1.2meters; Earth Cord: 3 meters
Power Requirement	AC120V, 60Hz
Physical Dimension	290mm x 195mm x 330mm (WxHxD)
Weight	8.4 kg

Call 1-800-799-NADA or Fax 518-297-3524 for more information and quote.

E-mail us at: support@nadascientific.com



Made in Japan