



CURRENT PULSE GENERATOR, 20V

N600-HC2005

APPLICATIONS

- Voltammetry
- Coulometry
- Automatic Polarization
- Physical Electrochemistry

DESIGN

Along with its impressive capabilities, the N600-HC2005 is **surprisingly compact and lightweight**. Hundreds of components in each model are built into an instrument that measures 31cm x 17cm x 37cm (WxHxD) and only weighs 10.6 kilograms. HD engineers worked diligently to build a compact instrument without sacrificing functionality and reliability. As a result, the Model N600-HC2005 is a **world-class research Current Pulse Generator that occupies minimum bench space**.

FEATURES

- Realizes fast rising and drop time of 1µsec
- Adjustment of current rise and drop slope
- Maximum 1µsec high speed sampling
- Maximum 8 channel potential measurement
- Graph display of measured data, operation, and resistance
- Data can be saved to USB memory

PERFORMANCE

This model incorporates a constant current pulse generator, a load voltage measurement and display function, an internal resistance operation unit, and a data save function. It is **especially useful in load characteristics evaluation**. It features an output voltage of 20V, a fast rising and drop time of 1µsec, adjustment of current rising and drop slope, maximum high speed sampling of 1µsec, and a maximum of 8 channel potential measurements possible by electrometer. Additional features include a graph display of measured data of operation, and a display of resistance. This model is USB compliant, so data can be saved to an external device or to your computer. There are three modes to save/analyze the data results (Local Mode, Local USB mode, and Remote Mode). It is also possible to monitor voltage/current waveform using an analog monitor output (current data only).

Specifications

Max Output Voltage	20V
Max Output Current	5A
Set Pulse Width	100µsec ~ 999ms
Set Pulse Frequency	120µsec ~ 999h
Min. rise/drop time	Shorter than 1µsec
Pulse Wave Form	ON pulse, OFF pulse
Pulse Mode	ON pulse, OFF pulse
Set Current Range	5mA, 50mA, 500mA, 5A
Current Set Resolution	1% of each FS
Ambient O	~ 40°C, 0 ~ 85% RH (without dew)
Power Requirement	AC120V, 60Hz
Physical Dimension	310mm x 170mm x 370mm (WxHxD)
Weight	10.6 kg

