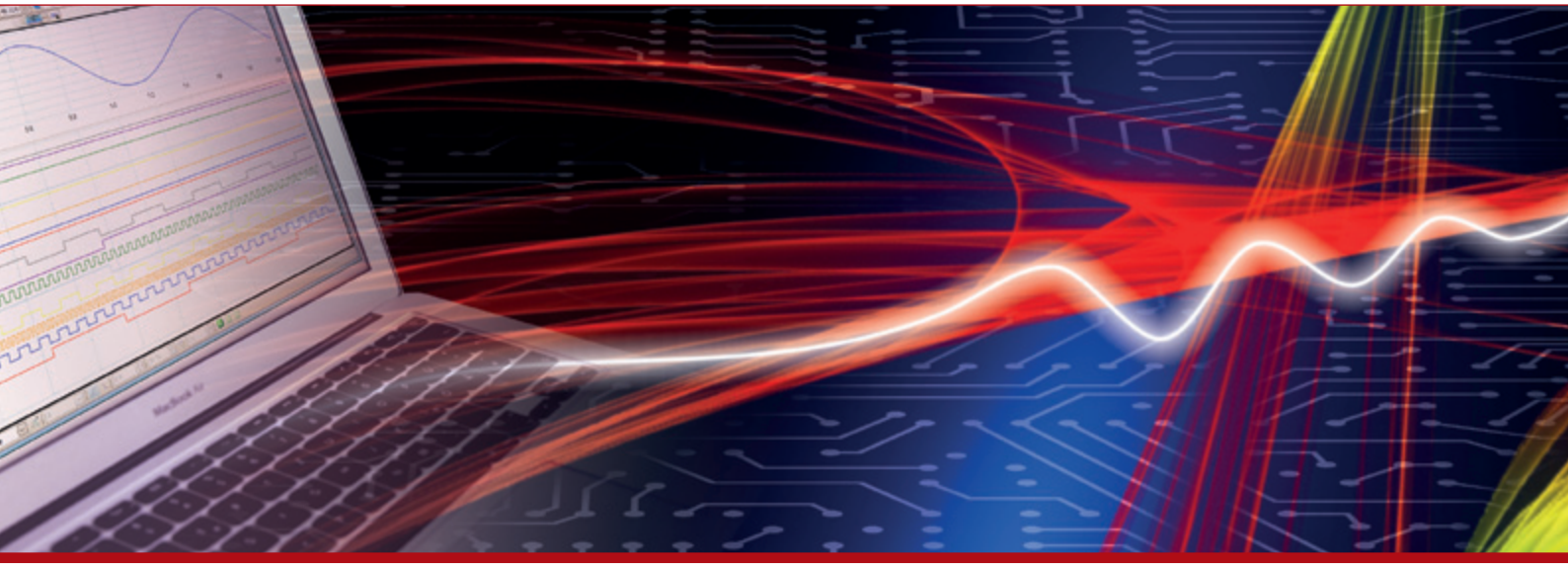
Product Datasheet - Technical Specifications



More information in our Web-Shop at ▸ **www.meilhaus.com**

Your contact

Technical and commercial sales, price information, quotations, demo/test equipment, consulting:

Tel.: **+49 - (0)81 41 - 52 71-0**

E-Mail: **sales@meilhaus.com**

Meilhaus Electronic GmbH
Am Sonnenlicht 2
82239 Alling/Germany
Tel. **+49 - (0)81 41 - 52 71-0** E-Mail **sales@meilhaus.com**

www.meilhaus.com

IT8800 High Power DC Electronic Load

IT8800 series has wide power range 150W~6kW, voltage and cureent measurement speed up to 50kHZ, resolution up to 0.1mV/0.01mA, adjustable measurement current rising speed 0.001A/μs~2.5A/μs, built-in RS232/USB interface. IT8800 series has wide application fields because of its high perfromance, it has been applied to LED lighting,automotive electronics and other fields.

Applications

High power testing, battery test, power supply test

Feature

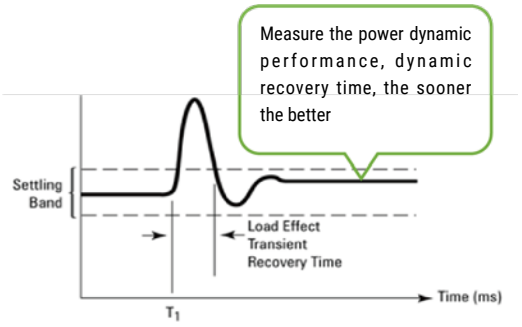
- 150W-6kW/120-500V/15-480A
- CV/CC/CR/CW mode
- Remote sense
- Measurement resolution:0.1mV,0.01mA
- Dynamic mode: up to 25kHz
- Adjustable current rising slope: 0.001A/μs~2.5A/μs
- Measurement speed: up to 50kHz
- Dynamic test, short-circuit test function
- Rotary knob, making the operation more easier
- CR-LED test
- OCP / OVP / OPP / OTP/ Reverse polarity protection
- 100 groups memory capacity
- Power off memory function
- External analog control
- Support USBTMC/SCPI communication protocol
- Built-in RS232/USB communication interface
- Software monitoring via PC

* For any GPIB interface option request , check with ITECH for availability.

Model	Power	Voltage	Current	Size
IT8811	150W	120V	30A	1/2 2U
IT8812	250W	120V	30A	1/2 2U
IT8812B	200W	500V	15A	1/2 2U
IT8812C	250W	120V	60A	1/2 2U
IT8813	750W	120V	60A	3U
IT8813B	750W	500V	30A	3U
IT8813C	750W	120V	120A	3U
IT8814	1500W	120V	120A	3U
IT8814B	1200W	500V	60A	3U
IT8814C	1500W	120V	240A	3U
IT8816	3KW	120V	240A	3U
IT8816B	2500W	500V	100A	3U
IT8817	4500W	120V	360A	6U
IT8817B	3600W	500V	120A	6U
IT8818	6KW	120V	480A	6U
IT8818B	5KW	500V	150A	6U

Dynamic mode up to 25KHz

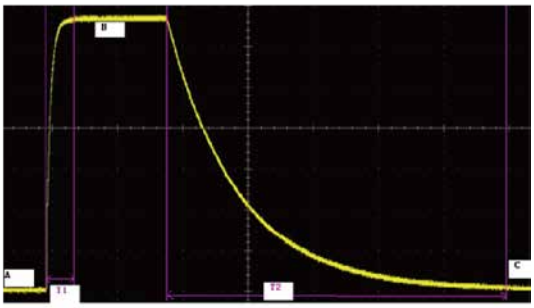
Dynamic mode operation allows the electronic load to be switched between the two setting parameters according to the setting rules. Dynamic mode can be used to test the dynamic nature of the power supply, e.g. when the computer disk drive run or stop, the dynamic load mode can simulate the change of operating current.



Voltage rising/falling time test

IT8800 provides unique measurement function to test voltage rising/ falling time. Enter the measure menu under config, and set two voltage points. Then turn on display on timer function, and the rising/ falling time is displayed on the screen after completing test.

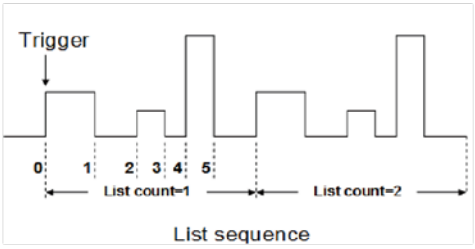
This test is important for switching power supply testing and fuse testing.



Adjustable rising/falling speed of current

List mode allows you to generate a complex current sequence. Moreover, the mode change can be synchronized with an internal or external signal, to accomplish dynamic and precise test. A list file includes following parameters: file name, step counts (range 2-84), time width of single step (0.00002s-3600s), step value and slope. The LIST function can make many kinds of complex sequences, to meet complicated test requirements.

IT8800 electronic load supports panel programming and computer software operation, especially for electronic product development, production line product aging, quality inspection and other complex application environment.



External analog test

IT8800 electronic load can control the loading voltage or current through the EXT PRG (positive and negative) analog port on the rear panel, connect 0-10V adjustable voltage to simulate 0- full-scale input in the EXT PRG terminal, so as to adjust the load input voltage and current value.

Analog control interface meets the control needs of industrial production, users can achieve output voltage control via PLC without the PC control.