



IT8700 series DC Electronic Load



IT8700 DC electronic loads are multichannel programmable electronic loads. With RS232 /GPIB /USB/ EtherNet communication interfaces, the series DC electronic loads can provide multi solution according to the requirements of your design and test. It is configured by plugging the user selectable modules into the mainframe, and operated using the keypad and rotary knob on the front panel or the remote controlled instructions via Ether Net, USB, RS-232C or GPIB interface.

Specifications

Parameter		IT8732B	
Rated value (0 °C - 40 °C)	Voltage	0~500V	
	Current	0~3A	0~20A
	Power	300W	
	MOV	0.7V/3A	4.5V/20A
CV Mode	Range	0~18V	0~500V
	Resolution	1mV	10mV
	Accuracy	±(0.05%+0.02 %FS)	±(0.05%+0.02 5%FS)
CC Mode	Range	0~3A	0~20A
	Resolution	0.1mA	1mA
	Accuracy	±(0.05%+0.05 %FS)	±(0.05%+0.05 %FS)
CR Mode	Range	0.25Ω~10Ω	10Ω~7.5KΩ
	Resolution	16bit	
	Accuracy	0.01%+0.08S	0.01%+0.000 8S
CW Mode	Range	300W	
	Resolution	10mW	
	Accuracy	±(0.2%+0.2%FS)	
Dynamic mode(CC mode)	T1&T2	20μs~3600s/Res:1μs	
	Accuracy	5μs±100ppm	
	Up/down slope	0.0001~0.1A/ μs	0.001~1A/μs
Measuring range			
Readback Voltage	Range	0~18V	0~500V
	Resolution	1 mV	10mV
	Accuracy	±(0.025%+0.0 25%FS)	±(0.025%+0.0 25%FS)
Readback Current	Range	0~3A	0~20A
	Resolution	0.01mA	0.1mA
	Accuracy	±(0.05%+0.05%FS)	
Readback power*2	Range	300W	
	Resolution	10mW	
	Accuracy	±(0.1%+0.1%FS)	
Protection range			
OPP		≒ 300W	
OCP		≒ 3.3A	≒ 22A
OVP		≒ 510V	
OTP		≒ 85 °C	
Specification			
Short circuit	CC	≒ 3.3A	≒ 22A
	CV	0V	0V
	CR	≒ 220mΩ	≒ 220mΩ
Input impedance		1MΩ	
Dimension		82mmW*183mmH*573mmD	

Feature

- VFD display
- High resolution with 0.1mV/0.01mA
- Measuring speed of voltage and current up to 50KHz
- Adjustable rising slope and decending slope
- Set the high-low limits according to the test parameters, judge the test result automatically to see if exceed the specification
- Output resolution up to 16 bits, voltmeter and ammeter reach 5 1/2 digits
- Four working modes: CC/CV/CR/CW
- Support USBTmc/SCPI communication protocol
- Simulate the transient response and export measured values in time
- Support Ether Net/GPIB/USB/RS232 communication interface

Standard accessories

- Power cord
- Calibration report
- User's manual