

Just Right-For Your Power Electronics Test Solution!



M97 Series Programmable DC Electronic Load

The M97 series DC electronic load is a new generation product from Maynuo Electronic Co. Ltd. The loads are designed with high-performance components and offer high speed with a resolution of 0.1 mV and 0.01 mA (the basic accuracy is 0.03%, the basic current rise speed is 2.5 A/μs). The M97 series has a wide application range in production line (cell phone charger, cell phone battery, electric vehicle battery, switching power supplies, linear power supplies etc.), research institutes, automotive electronics, aeronautical and astronautical, ships, solar cells, fuel cells, and so on.

The M97 series offers users with its novel and high quality design and attractive cost-effectiveness.

Features

- Six high speed operation modes: CC,CR,CV,CW,CC+CV,CR+CW
- Over current, over voltage, over power, over heat, polarity reversed protection
- High-luminance VFD screen with two lines& four channels display
- Intelligent fan system fan will be automatically initiated according to the temperature
- Soft start time setting, carrying the power supplier according to the voltage value set
- Battery testing and short-circuit function
- Available for dynamic testing with rising edge/falling edge setting
- Supporting external trigger input and output
- External current waveform monitor terminal
- Supporting remote voltage compensation and multidata storage
- Power-on-self-test, software calibration and standard rack mount
- Communication mode: GPIB/RS232/RS485/USB.



● M9711-M9712

● M9711-M9712 back panel

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M97 Series Programmable DC Electronic Load Technical Specification Table

Model\型号	M9711	M9712	M9712B	M9712C
Power	150W	300W	300W	300W
Input Rating	0-30A	0-30A	0-15A	0-60A
额定输入	0-30A	0-30A	0-15A	0-60A
CC Mode	0.3A	0-3A	0-3A	0-6A
定电流模式	0.1mA	0.1mA	0.1mA	0.1mA
Resolution	0.03%+0.05%FS	0.03%+0.05%FS	0.03%+0.05%FS	0.03%+0.05%FS
Accuracy	0.1-19.999V	0.1-19.999V	0.1-19.999V	0.1-19.999V
Range	0.1-19.999V	0.1-19.999V	0.1-19.999V	0.1-19.999V
Resolution	0.03%+0.02%FS	0.03%+0.02%FS	0.03%+0.02%FS	0.03%+0.02%FS
CV Mode	0.03 Ω-10KΩ	0.03 Ω-10KΩ	0.3 Ω-5KΩ	0.03 Ω-10KΩ
定电压模式	16 bit	16 bit	16 bit	16 bit
Resolution	0.1%+0.1%FS	0.1%+0.1%FS	0.1%+0.1%FS	0.1%+0.1%FS
Accuracy	0-150W	0-300W	0-300W	0-300W
Range	0-150W	0-300W	0-300W	0-300W
Resolution	1mW	10mW	10mW	10mW
定功率模式	0.1%+0.1%FS	0.1%+0.1%FS	0.1%+0.1%FS	0.1%+0.1%FS
Accuracy	0-19.999V	0-130V	0-19.999V	0-19.999V
V Measurement	0.1mV	10mV	10mV	10mV
电压测量值	0.015%+0.03%FS	0.015%+0.03%FS	0.015%+0.03%FS	0.015%+0.03%FS
I Measurement	0.3A	0-3A	0-3A	0-6A
电流测量值	0.01mA	0.01mA	0.01mA	0.01mA
Resolution	0.03%+0.05%FS	0.03%+0.05%FS	0.03%+0.05%FS	0.03%+0.05%FS
Accuracy	100W	100W	100W	100W
W Measurement	150W	300W	300W	300W
功率测量值	0.1%+0.1%FS	0.1%+0.1%FS	0.1%+0.1%FS	0.1%+0.1%FS
Resolution	0.03%+0.05%FS	0.03%+0.05%FS	0.03%+0.05%FS	0.03%+0.05%FS
Accuracy	Battery Input 0.1-80V; Max. Measurement Capacity 9999H; Resolution=0.1mV, Time Range=1S-168IS Transient Load 0-3KHz, 2.5A/μs; T1&T2: 60μs; Accuracy: ±1.5% offset+10% FS ImpS: 2 mS; 5mS; 1mS; 20mS; 50mS; 100mS; 200mS; 500mS; 1000mS; Accuracy: ±1.5% offset+10% FS			
Battery Measurement	±3.3A	±3.3A	±3.3A	±6.6A
动态测试功能	0V	0V	0V	0V
电负载启动时间	±5mΩ	±28mΩ	±28mΩ	±25mΩ
Short Circuit	0~40°C	0~40°C	0~40°C	0~40°C
短路功能	-10°C~70°C	-10°C~70°C	-10°C~70°C	-10°C~70°C
Temperature	Dimension W*H*D(mm) 214*108*165 Weight Kg 3.5			