

Programmable DC Electronic Load

C. TH8400 Series Programmable DC Electronic Load

NEW

Features

- High resolution:1mV/0.1mA
- Up to 25kHz dynamic frequency
- Up to 500kHz sampling speed
- Low ripple and low noise
- Voltage/current ripple, peak, peak-valley measurement
- Voltage/current waveform display
- 11 kinds of operation and measurement functions
- 4.3-inch 24-color 480X272 TFT LCD screen, Chinese and English interface
- Numeric keyboard and knob operation
- Screen copy function
- Remote compensation function
- Intelligent fan control
- Protection mode: over voltage, over current, over power
- Support U disk file storage and loading, program upgrade
- Software control and detection through computer
- Equipped with HANDLER interface for automatic matching
- SCPI command protocol



Standard RS232 USB HOST USB DEVICE I-MONITOR

Shelf dimension(mm):215(W)×88(H)×390(D)
 Exterior dimension(mm):236(W)×111(H)×454(D)
 Weight:3kg(TH8401/TH8411), 4.8kg(TH8402A/TH8402/TH8412)

Application

- Power supply
Chargers, switching power supplies, communication power supplies, LED drivers, mobile phone batteries, power banks, etc.
- New energy
Solar cells, new power cars, electric bicycles
- Electronic power components
Fuse/connector/relay/sensor
- Automation equipment integration test

Specifications

Model		TH8401	TH8402A	TH8402	TH8411	TH8412						
Rated value	Power	175W	350W	350W	175W	350W						
	Voltage	150V	150V	150V	500V	500V						
	Current	30A	30A	60A	15A	30A						
	Minimum operating voltage	1.5V@30A	1.2V@30A	1.5V@60A	1.8V@15A	3V@30A						
	Minimum rise time	20μs										
Static mode		CC mode(constant current mode) CR mode(constant resistance mode) CV mode(constant voltage mode) CP mode(constant power mode)										
Voltage	Range	0-15V	0-150V	0-15V	0-150V	0-15V	0-150V	0-50V	0-500V	0-50V	0-500V	
		Setting	Resolution	1mV	10mV	1mV	10mV	1mV	10mV	1mV	10mV	1mV
	Resistance	Resolution	1mV	10mV	1mV	10mV	1mV	10mV	1mV	10mV	1mV	10mV
		Accuracy	0.08%+0.05%FS									
Current	Range	0-3A	0-30A	0-3A	0-30A	0-6A	0-60A	0-1.5A	0-15A	0-3A	0-30A	
		Setting	Resolution	0.1mA	1mA	0.1mA	1mA	0.1mA	1mA	0.1mA	1mA	0.1mA
	Measurement	Accuracy	0.05%+0.05%FS									
		Resolution	0.1mA	1mA	0.1mA	1mA	0.1mA	1mA	0.1mA	1mA	0.1mA	1mA
Resistance	Range	0.05Ω-50kΩ		0.05Ω-50kΩ		0.05Ω-50kΩ		0.05Ω-50kΩ		0.05Ω-50kΩ		
	Resolution	0.05Ω										
	Accuracy	1%										
Power	Range	0-175W		0-350w		0-350w		0-175W		0-350w		
	Resolution	10mW		10mW		10mW		10mW		10mW		
	Accuracy	0.5%+0.1%FS										
Dynamic mode												
Dynamic mode	Range	20 μs - 60S										
	Resolution	2 μs										
	Accuracy	1μs+100ppm										
	Rise rate	0.6A/ms-1.5A/μs		0.6A/ms-1.5A/μs		1.2A/ms-3A/μs		0.3A/ms-0.75A/μs		0.6A/ms-1.5A/μs		
Measurement												
Ripple	Range	0-15V	0-150V	0-15V	0-150V	0-15V	0-150V	0-50V	0-500V	0-50V	0-500V	
	Bandwidth	250kHz										
	Accuracy	0.1%										
Protection function	Over voltage protection (OVP) Over current protection (OCP) Over power protection (OPP)											
Storage	Internal: 40 groups											
Specification												
Volume (W*H*D)	Shelf dimension(mm):215(W)×88(H)×390(D), Exterior dimension(mm):236(W)×111(H)×454(D)											
Weight	3kg		4.8kg		4.8kg		3kg		4.8kg			
Power	Supply voltage: 220V(1±10%). Supply frequency: 50Hz/60Hz(1±5%), Power consumption: <50VA											
Temperature and humidity	0℃~40℃, humidity: < 90%RH											