

Power Electric Tester

C. TH6501/TH6502/TH6503/TH6511/TH6512/TH6513 DC Power Supply

Features

- 24-bit color 4.3-inch color LCD display
- LCD resolution 480*272
- Numeric keypad operation
- Low ripple and low noise
- Intelligent fan control to save energy and reduce noise
- Software monitoring via computer
- Editable voltage and current output waveform with time (resolution 1ms) (LBT mode)
- The power output can be turned on and off by an external signal
- The knob can be used to coarsely adjust and fine tune the voltage and current values.
- High accuracy and resolution: 0.1mV/0.01mA
- Timing output time can be set (0.01-9999.99S)
- Screen information can be stored in the USB flash drive
- Chinese and English user interface
- Flexible and convenient file operating system
- Built-in 5 1/2 digital milliohm meter
- Automatic upgrade of instrument operating software via USB HOST
- Handler interface for online operations
- RS232, USB HOST, USB Device, GPIB can easily realize the data communication with PC and remote control of the instrument
- Comes with hardware OVP, OCP protection (OCP is software protection)
- Front panel and rear panel with output and sampling terminals, voltage and resistance measuring terminal
- Support standard SCPI and MODBUS communication protocols



TH6513

Rack mount (mm): 215(W) x 88(H) x 412(D)

Dimension (mm): 235(W) x 111(H) x 440(D)

Net weight: 8.1kg

Standard RS232 USB HOST USB DEVICE

option GPIB

Application

- R & D and design verification common test
- Production line table routine testing and maintenance
- Automated device integration testing
- Solar photovoltaic simulation test
- New power car simulation test
- Teaching laboratory

Specifications

Module		TH6501	TH6502	TH6503	TH6511	TH6512	TH6513
Rated output	Voltage	0-20V	0-32V	0-72V	0-20V	0-32V	0-72V
	Current	0-5A	0-3A	0-1.5A	0-10A	0-6A	0-3A
	Power	100W	96W	108W	200W	192W	216W
Load regulation	Voltage	≤0.01%+2mV					
	Current	≤0.05%+1.5mA					
Power regulation	Voltage	≤0.01%+1mV					
	Current	≤0.05%+1mA					
Set value resolution	Voltage	1mV					
	Current	0.1mA					
Read-back resolution	Voltage	0.1mV					
	Current	0.01mA					
Year set accuracy (25°C±5°C)	Voltage	≤0.03%+3mV					
	Current	≤0.05%+2mA					
Year read-back accuracy(25°C±5°C)	Voltage	≤0.02%+3mV					
	Current	≤0.05%+2mA				≤0.05%+2.5mA	
Ripple and Noise (20Hz-20MHz)	Differential mode voltage	≤3mVp-p and 1mVrms				≤4mVp-p and 1mVrms	
	Differential mode current	<3mArms				<4mArms	
Dynamic recovery time (50%-100% LOAD) Restore to time within 75mv		<200us					
Rise time	10%-90%	<20ms					
Fall time	90%-10%	<200ms	<250ms	<150ms	<200ms	<250ms	<150ms
Overvoltage protection	Range (Typical)	1-19V	1-31V	1-71V	1-19V	1-31V	1-71V
	Accuracy (typical)	± (set value *0.5%+0.5V)					
	Response time (typical)	<10ms					
DVM(DC)	Display value accuracy	±0.02%+10mv					
	Display resolution	0.1mv					
	Input differential mode voltage range	0-40Vpk					
	Input common mode voltage range	0-30Vpk					