

Power Electric Tester

C. TH6300 Series DC Power Supply

Features

- 480x272 pixels, 24-bit color, 4.3-inch color TFT LCD screen for setting test conditions and display of testing results, etc.
- Digital keyboard and knob operation, simple and fast
- High accuracy, high resolution, low ripple and low noise
- Support shutdown data saving and boot data loading
- Support voltage test function
- Support data saving and callback
- List setting and step output
- Intelligent fan control to save energy and reduce noise
- Software control and detection via computer
- Interface: RS232, USB, GPIB (optional)

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



TH6303

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

Model		TH6301	TH6302	TH6303	TH6304	TH6312	TH6313	TH6314	TH6323	TH6324
Rated output	Voltage	20V	30V	60V	120V	30V	60V	120V	60V	120V
	Current	30A	20A	10A	5A	30A	15A	6A	25A	10A
	Power	200W	200W	200W	200W	360W	360W	360W	600W	600W
Load regulation \leq	Voltage	0.01%+20mV	0.01%+20mV	$\leq 0.01\%+5mV$	$\leq 0.01\%+5mV$	0.01%+20mV	$\leq 0.01\%+8mV$	$\leq 0.01\%+8mV$	$\leq 0.01\%+15mV$	0.01%+15mV
	Current	0.01%+20mA	0.01%+15mA	$\leq 0.01\%+4mA$	$\leq 0.01\%+4mA$	0.01%+20mA	$\leq 0.01\%+6mA$	$\leq 0.01\%+6mA$	$\leq 0.01\%+10mA$	0.01%+10mA
Power regulation \leq	Voltage	0.01%+20mV	0.01%+20mV	$\leq 0.01\%+5mV$	$\leq 0.01\%+5mV$	0.01%+20mV	$\leq 0.01\%+8mV$	$\leq 0.01\%+8mV$	$\leq 0.01\%+15mV$	0.01%+15mV
	Current	0.01%+20mA	0.01%+15mA	$\leq 0.01\%+4mA$	$\leq 0.01\%+4mA$	0.01%+20mA	$\leq 0.01\%+6mA$	$\leq 0.01\%+6mA$	$\leq 0.01\%+10mA$	0.01%+10mA
Set value resolution	Voltage	1mV	1mV	1mV	1mV(<100V), 10mV(>100V)	1mV	1mV	1mV(<100V), 10mV(>100V)	1mV	1mV(<100V), 10mV(>100V)
	Current	1mA	1mA	1mA	1mA	1mA	1mA	1mA	1mA	1mA
Read-back resolution	Voltage	1mV	1mV	1mV	1mV(<100V), 10mV(>100V)	1mV	1mV	1mV(<100V), 10mV(>100V)	1mV	1mV(<100V), 10mV(>100V)
	Current	1mA	1mA	1mA	1mA	1mA	1mA	1mA	1mA	1mA
Year set accuracy (25°C \pm 5°C) \leq	Voltage	0.03%+5mV	0.03%+5mV	0.03%+5mV	0.03%+15mV	0.03%+5mV	0.03%+5mV	0.03%+15mV	0.03%+5mV	0.03%+15mV
	Current	0.1%+30mA	0.1%+20mA	0.1%+10mA	0.1%+20mA	0.1%+30mA	0.1%+15mA	0.1%+20mA	0.1%+25mA	0.1%+25mA
Year read-back accuracy (25°C \pm 5°C) \leq	Voltage	0.03%+5mV	0.03%+5mV	0.03%+5mV	0.03%+15mV	0.03%+5mV	0.03%+5mV	0.03%+15mV	0.03%+5mV	0.03%+15mV
	Current	0.1%+30mA	0.1%+20mA	0.1%+10mA	0.1%+20mA	0.1%+30mA	0.1%+15mA	0.1%+20mA	0.1%+25mA	0.1%+25mA
Ripple and Noise (20Hz-20MHz) \leq	Differential mode voltage	15mVpp	15mVpp	15mVp-p	20mVp-p	15mVpp	15mVp-p	20mVpp	20mVp-p	25mVp-p
	Differential mode current	10mArms	10mArms	8mArms	10mArms	12mArms	10mArms	12mArms	13mArms	15mArms
Rise times \leq	10%-90%	100mS	100mS	150mS	150mS	100mS	150mS	150mS	150mS	150mS
Fall times \leq	90%-10%	2S	2S	2S	3.5S	2S	2S	3.5S	2S	3.5S
Memory		10 sets of trigger output, 100 steps per group, 100 groups of set memory								
Output		Support front and rear panel output, the maximum output current of front terminal is 10A								