Power Electric Tester

C. TH6402B Quadruple Programmable DC Power Supply

Features

- Fresh and simple system settings with Chinese and English operation interfaces
- High resolution: 24-bit color 4.3-inch TFTLCD, resolution: 480 x 272
- Linear design and four channel output
- High precision and high stability, low ripple and low noise
- 1/2 2U super mini size and output and sampling terminal on the front and rear panel (The channel only supports front panel output)
- Programmable output of voltage and current
- Timing output: time (0.1-99999.9s)
- Four-channel independent adjustment
- Simultaneously display of voltage, current, power and timing output time for four-channel
- Support series, parallel or synchronous output between channels
- Use rotary knob and numeric keyboard to set the voltage, current and output time
- Remote measurement function, compensation for line voltage drop
- Output control switch
- Fully isolated circuit and support positive and negative reverse connection
- Copy screen function
- Over voltage protection
- Intelligent temperature control fan
- Support standard SCPI communication protocol
- Upgrade instrument firmware via USB HOST
- Software monitoring via computer

TH6402B

Rack mount (mm): 215(W) x 88(H) x 473(D)
Dimension (mm): 235(W) x 111(H) x501(D)
Net weight: 12kg

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

Model		TH6402B			
Rated output (0℃-40℃)	Channel/Range	Channel1	Channel2	Channel3	Channel4
	Voltage	0-30V		0-10V	0-5V
	Current	0-3A		0-3A	0-1A
	Power	90W		30W	5W
Load regulation ± (% Output + Bias)	Voltage	≤0.01% + 3 mV			
	Current	≤0.01% + 3 mA			
Power regulation ± (% Output + Bias)	Voltage	≤0.01% + 3 mV			
	Current	≤0.01% + 3 mA			
Programming resolution	Voltage	1mV			
	Current	0.1mA			
Read-back value resolution	Voltage	1mV			
	Current	0.1mA			
Year accuracy (25℃± 5℃) ± (% Reading + Bias)	Programming	Voltage	≤0.1% + 20 mV		
		Current	≤0.2%+5mA		
	Read-back	Voltage	≤0.1% + 20 mV		
		Current	≤0.2%+5mA		
Ripple and Noise (20Hz-20MHz)	Normal mode voltage	≤1mVrms/ 3mVp-p			
	Normal mode current	≤3mArms			
Series and parallel set value accuracy	Voltage	≤0.02% + 10 mV			
	Current	≤0.2% + 20 mA			
Timer		0.1 ~ 99999.9 seconds			
Memory		40 groups of settings files / channels			