Power Electric Tester

III. TH6420 Series Multi-channel Programmable Linear DC Power Supply

Features

- Voltage/current resolution up to 1mV/1mA
- 5-digit voltage/4-digit current LED display (TH6423)
- Five groups of programmable callback files
- Callback file programmable list output function
- Output upper and lower limit setting and over limit alarm function
- Set data power-off save function
- Series and parallel function of channel 1 and channel 2
- Automatic switching between CC and CV modes
- Keyboard knob quick operation
- The status light indicates the key setting status of the instrument and the working status of CC/CV
- Fan automatic speed adjustment function

Application

- General testing for R&D and design verification
- Routine testing and maintenance of production line workbench
- Automated device integration testing
- Teaching laboratory

RS232	USB DEVICE
standard	standard

TH6420 Series

TH6422
Rack mount（mm）： 215(W)×133(H)×268(D)
Net weight：4.7kg

TH6423/TH6422A
Rack mount（mm）： 215(W)×133(H)×268(D)
Net weight：6.3kg

Specifications

Model		TH6422A			TH6422			TH6423			
Rated Output (0℃-40℃)	Channel	CH1	CH2	CH3	CH1	CH2	CH3	CH1	CH2	CH3	CH4
	Voltage	0-32V	0-32V	0-5V	0-32V	0-32V	0-5V	0-32V	0-32V	0-5V/0-10V	0-5V
	Current	0-3A	0-3A	0-3A	0-3A	0-3A	0-3A	0-3A	0-3A	0-3A/0-1A	0-1A
	Power	96W	96W	15W	96W	96W	15W	96W	96W	15W/10W	5W
Lload Regulation ± (% Output + Bias)	Voltage	≤0.01%+3mV									
	Current	≤0.2%+3mA									
Power regulation ± (% Output + Bias)	Voltage	≤0.01%+3mV									
	Current	≤0.2%+3mA									
Programming resolution	Voltage	10mV			1mV						
	Current	10mA			1mA						
Read-back value resolution	Voltage	10mV			1mV						
	Current	10mA			1mA						
Programming Accuracy (25℃±5℃)	Voltage	±(0.1% of reading + 30mV)			±(0.02% of reading + 6mV)						
	Current	±(0.5% of reading + 30mA)			≤0.2% of reading +6mA						
Read-back value Accuracy (25℃±5℃)	Voltage	±(0.1% of reading + 30mV)			±(0.02% of reading + 6mV)						
	Current	±(0.5% of reading + 30mA)			≤0.2% of reading +6mA						
Ripple and Noise (20Hz-20MHz)	Voltage(Vp-p)	≤3mVp-p									
	Voltage（rms）	≤1mVrms									
	Current	≤3mArms									
Series Programming Accuracy	Voltage	±(0.1% of reading + 30mV)			±(0.03% of reading + 10mV)						
	Current	±(0.5% of reading + 30mA)			≤0.3% of reading +10mA						
Series Read-back value Accuracy	Voltage	±(0.1% of reading + 30mV)			±(0.03% of reading + 10mV)						
	Current	±(0.5% of reading + 30mA)			≤0.3% of reading +10mA						
Parallel Programming Accuracy	Voltage	±(0.1% of reading + 30mV)			±(0.03% of reading + 10mV)						
	Current	±(0.5% of reading + 30mA)			≤0.3% of reading +10mA						
Parallel Read-back value Accuracy	Voltage	±(0.1% of reading + 30mV)			±(0.03% of reading + 10mV)						
	Current	±(0.5% of reading + 30mA)			≤0.3% of reading +10mA						
Memory	Call back Memory	5 Groups and 1 goup of automatic memory when power off.									
Timer	Function	List the output duration of each shift									
	Time setting	0.1s-99999s									
	Resolution	0.1s									
Working Power	Voltage	220V(1±10%)									
	Frequency	50Hz (1±5%)									
Ambient temperature and humidity	Normal Work	0℃- 40℃，humidity: < 90%RH									
	Reference Work	20℃±8℃，humidity: < 80%RH									
	Transport Environment	0℃- 55℃，humidity: < 93%RH									
	Warm up time	More than 20 Minutes									
Size and weight	Size（W×H×D）mm	215×133×268									
	Weight（kg）	4.7			4.7			6.4			

Standard Accessories

Power cord   YT3007 test cable   YT3008 test cable