

Power Electric Tester

III. TH6430 Series Multi-Channel Programmable Linear Source-Load Integrated Power

NEW

Features

- 4.3-inch 480x272 dot matrix graphic LCD display
- Humanized operation interface, easy to operate
- Four-channel power output, two-channel load input
- Setting resolution: 1mV/0.1mA, readback resolution: 0.1mV/0.1mA
- DC power output: CH1, CH2, CH3, CH4
- CH1+CH2 support series-parallel outputs
- DC electronic load: CH1, CH2
- Sequential output of channels: delay time can be set for each channel
- Three-channel model supports USB (TYPE-A) output
- Programmable sequence: CH1 and CH2 can realize 100 sets of programmable sequence outputs and pull loads.
- Protection: over-voltage (OVP), over-current (OCP), over-power (OPP)
- Recording: U disk to realize real-time sampling data recording and uploading
- Communication: RS232, GPIB, USB-CDC, USB-TMC, LAN
- I/O: 5 groups of Control I/O ports on the rear panel can realize various function control.



RS232	GPIB	LAN	USB HOST	USB DEVICE
standard	standard	standard	standard	standard

Dimension(mm): 215(W)×125(H)×290(D)
Weight: 8kg

Application

- R&D and design verification general test
- Production line bench general test, repair
- Automation equipment integration testing
- Teaching laboratory

Specifications

Model	TH6434				TH6433			TH6432		TH6431	
Output	4				3			2		1	
Power Mode											
Rated output (0°C-40°C)	Channel	CH1	CH2	CH3	CH4	CH1	CH2	CH3 (USB口)	CH1	CH2	CH1
	Voltage	0-32V	0-32V	0-5V	0-15V	0-32V	0-32V	1.8V/2.5V/3.3V/5.0V	0-32V	0-32V	0-32V
	Current	0-3A	0-3A	0-1A	0-1A	0-3A	0-3A	0-3A	0-3A	0-3A	0-6A
Serial	Voltage	0-64V		-----		0-64V		-----	0-64V		-----
	Current	0-3A		-----		0-3A		-----	0-3A		-----
Parallel	Voltage	0-32V		-----		0-32V		-----	0-32V		-----
	Current	0-6A		-----		0-6A		-----	0-6A		-----
Load Regulation	Voltage	0.006%+3mV				-----		-----	0.006%+3mV		
	Current	0.01%+3mA				-----		-----	0.01%+3mA		
Power Regulation	Voltage	0.006%+3mV				-----		-----	0.006%+3mV		
	Current	0.01%+3mA				-----		-----	0.01%+3mA		
Series Regulation	Linear	0.01%+5mV				-----		-----	0.01%+5mV		
	Load	100mV				-----		-----	100mV		
Parallel Regulation	Linear	0.01%+3mV				-----		-----	0.01%+3mV		
	Load	0.01%+3mV				-----		-----	0.01%+3mV		
Setting resolution	Voltage	1mV				-----		-----	1mV		
	Current	0.1mA				-----		-----	0.1mA		
readback resolution	Voltage	0.1mV				-----		-----	0.1mV		
	Current	0.1mA				-----		-----	0.1mA		
Accuracy (25°C±5°C)	Voltage	0.03%+10mV				-----		-----	0.03%+10mV		
	Current	0.3%+10mA				-----		-----	0.3%+10mA		
Ripple and Noise (20Hz-20MHz)	Voltage	1mVrms				-----		-----	1mVrms		
	Current	2mArms				-----		-----	2mArms		
recovery time	50μs (50%-100% LOAD) Time for recovery to within 75mV										

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load mode							
CC	Range	0-3A	-----	0-3A	-----	0-3A	0-6A
	Resolution	1mA	-----	1mA	-----	1mA	1mA
CV	Range	1-32V	-----	1-32V	-----	1-32V	1-32V
	Resolution	10mV	-----	10mV	-----	10mV	10mV
CR	Range	1-1000Ω	-----	1-1000Ω	-----	1-1000Ω	1-1000Ω
	Resolution	1Ω	-----	1Ω	-----	1Ω	1Ω
CW	Range	0-50W	-----	0-50W	-----	0-50W	0-100W
	Resolution	0.01W	-----	0.01W	-----	0.01W	0.01W
Additional Indicators							
Sequence (LIST) CH1 and CH2 only	Quantity	100 groups					
	Formwork	Sine, triangle, step, exponential, logarithmic, customized					
	Cycle	001-100/finite					
Time-delay Output	Channel	CH1,CH2,CH3,CH4					
	Enable	0.1-100s, Output pre-start delay					
	Disable	0.1-100s, Output off pre-delay					
	Fixed time	0.1s~360000sOutput operating hours					
Data Recording	Channel	CH1,CH2,CH3,CH4					
	Interval	0.1-100s					
	No. of groups	100-1000					
	Method	Single, continuous					
Storage	Internal	10 groups of setup files					
	External	Supports U disk for storing setup files and recording data					
Interfaces & Protocols	Interface	RS232C,USB HOST,USB DEVICE,LAN,GPIB,Control I/O					
	Protocol	SCPI					
Working Environment	Temperature	0°C- 40°C					
	Humidity	≤75%RH (Operation) , ≤85%RH (Storage)					
Power Supply	Voltage	110/220V (±10%)					
	Frequency	50Hz/60Hz					
	Power	≤130VA					
Dimension (W*H*D) mm	215x125x290						
Weight	Approx. 8kg						