

Power Electric Tester

III. TH7100 Series Programmable AC Power Supply



Features

- 24-bit color 4.3-inch 480 × 272 color LCD screen, Chinese and English interfaces
- Linear output design
- Flexible and convenient operation: numeric keypad, coarse and fine adjustment knob
- Manual / program control mode output function, timing output function, dimming mode output function, surge and notch function
- Front panel output function
- Boot hold function
- Store setting parameters and test results
- Support USB to upgrade the instrument firmware
- Multiple protection modes: set the current protection (HI-A) Overvoltage Protection (OVP), Low Voltage Protection (LVP) Overcurrent protection (OCP), over power protection (OPP) Over temperature protection (OTP)
- Two-gear temperature to control fan speed
- Remote input and output functions:
Remote input: input control of 7 groups of memory
Remote output: PASS, FAIL, PROCESSING, internal output switch
- Memory capacity:
Manual: 50 groups
Program control: 50 groups, 9 steps / group



RS232	REMOTE	USB HOST	USB DEVICE	GPIB
standard	standard	standard	standard	option

TH7110

Dimension(mm): 430(W)×88(H)×600(D)

Weight: 40kg

Application

- Motors and transformers
- Electronic production design
- Lighting
- Aerospace military
- Network communication
- Audio and video equipment
- Monitoring equipment
- Power specifications simulation of different countries
- Electromagnetic compatibility equipment

Specifications

Model	TH7105	TH7110	TH7120		
Output parameters					
Rated power	500W	1000W	2000W		
Output voltage	0~300V				
Output frequency	45.0Hz~500Hz				
Maximum current (RMS)	0-150V	4.2A	8.4A	16.8A	
	0-300V	2.1A	4.2A	8.4A	
Maximum current (Peak)	0-150V	12.6A	25.2A	50.4A	
	0-300V	6.3A	12.6A	25.2A	
Total harmonic distortion (THD)	at 45.0 ~ 500Hz, ≤ 0.5% (resistive load)				
Common parameters	Phase	1Ø/2W			
	Crest factor	≥4			
	Linearity adjustment rate	0.1%±10%			
	Load regulation	0.5%(resistive load)			
	Response time	<100uS			
Setting parameters					
Voltage	0 ~ 300V	Resolution	0.1V	Accuracy	±0.5%+2 digits
Frequency	45.0Hz ~ 500Hz	Resolution	<100Hz: 0.1Hz ; ≥100Hz: 1Hz	Accuracy	±0.02%
Initial / final phase angle	0 ~ 359°	Resolution	1°	Accuracy	±1°(45 ~ 65Hz)
Measurement parameters					
Voltage	0 ~ 300V	Resolution	0.1V	Accuracy	±0.5%+2 digits
Frequency	45.0Hz ~ 500Hz	Resolution	<100Hz: 0.1Hz ; ≥100Hz: 1Hz	Accuracy	±0.1Hz
Current	0-150V	0.000 ~ 4.200A	0.000 ~ 8.400A	0.000 ~ 16.800A	
	0-300V	0.000 ~ 2.100A	0.000 ~ 4.200A	0.000 ~ 8.400A	
	Resolution	0.001A			
	Accuracy	±0.5%+5 digits			
Peak current	0-150V	0.00 ~ 12.6A	0.00 ~ 25.2A	0.00 ~ 50.4A	
	0-300V	0.00 ~ 6.3A	0.00 ~ 12.6A	0.00 ~ 25.2A	
	Resolution	0.01A			
	Accuracy	±5%+2 digits			
Power	Range	0 ~ 500W	0 ~ 1000W	0 ~ 2000W	
	Resolution	0.1W			
	Accuracy	±0.6%+5 digits			
Power factor	0.001-1.000	Resolution	0.001	Accuracy	±2%+2 digits