

Power Electric Tester

III. TH6220 Series DC Power Supply

Features

- 4-digit voltage/current LED displ
- Voltage/current resolution up to 10mV/1mA
- Five programmable callback files
- Set data power-off save function
- Automatic switching between CC and CV modes
- Keyboard knobs for quick operation
- The status light indicates the key function setting status and CC/CV working status of the instrument
- Support over-current protection (OCP), over-voltage protection (OVP) and relay thermal protection functions

Application

- Generic testing for R&D and design verification
- Routine testing and maintenance of production line workbench
- Automated device integration testing
- Solar photovoltaic simulation test
- New energy vehicle simulation test
- Teaching laboratory

Specifications

Model		TH6222	TH6223	TH6223A
Rated Output	Voltage	0-30V	0-30V	0-60V
	Current	0-3A	0-6A	0-3A
	Power	90W	180W	180W
Load Regulation ± (% Output + Bias)	Voltage	≤0.01%+2mV	≤0.01%+3mV	≤0.01%+2mV
	Current	≤0.02%+2mA	≤0.02%+3mA	≤0.02%+2mA
Power regulation ± (% Output + Bias)	Voltage	≤0.01%+2mV	≤0.01%+3mV	≤0.01%+3mV
	Current	≤0.01%+2mA	≤0.01%+3mA	≤0.01%+2mA
Programming resolution	Voltage	10mV	10mV	10mV
	Current	1mA	1mA	1mA
Read-back value resolution	Voltage	10mV	10mV	10mV
	Current	1mA	1mA	1mA
Programming Accuracy	Voltage	≤0.2%+10mV	≤0.2%+10mV	≤0.2%+10mV
	Current	≤0.1%+5mA	≤0.1%+5mA	≤0.1%+5mA
Read-back value Accuracy	Voltage	≤0.2%+30mV	≤0.2%+30mV	≤0.2%+30mV
	Current	≤0.1%+5mA	≤0.1%+5mA	≤0.1%+5mA
Ripple and Noise	Vp-p	≤10mV	≤15mV	≤15mV
	Vrms	≤1mV	≤2mV	≤2mV
	Ip-p	≤2mA	≤3mA	≤3mA
	Irms	≤1mA	≤1mA	≤1mA
Rise time (10% Load)	10%-90%	≤80ms	≤100ms	≤100ms
Fall time (10% Load)	90%-10%	≤70ms	≤80ms	≤80ms
Output Temperature Coefficient (Voltage/Current)		≤75ppm	≤75ppm	≤75ppm
Memory		5 Groups (M1-M5). Automatic memory when power off.		
Size(W×H×D)		162mm×111mm×243mm	162mm×111mm×275mm	
Weight		4.7kg	6.3kg	6.4kg
Ambient temperature and humidity	Normal Work	0°C - 40°C, humidity: < 90%RH		
	Reference Work	20°C ±8°C, humidity: < 80%RH		
	Transport Environment	0°C - 55°C, humidity: < 93%RH		
Working Power	Voltage	220V ±10%		
	Frequency	50Hz ±5%		



RS232
standard

USB DEVICE
standard

TH6220 Series

TH6222: Rack mount (mm) : 162mm(W)*111mm(H)* 243mm(D)
Net weight: 4.7kg

TH6223: Rack mount (mm) : 162mm(W)*111mm(H)* 275mm (D)
Net weight: 6.3kg

TH6223A: Rack mount (mm) : 162mm(W)*111mm(H)* 275mm (D)
Net weight: 6.4kg

Standard Accessories

Power cord

Optional

TH26035D high current test cable
TH26035E High current test lead