

Key Product Recommendations

I. TH1779 DC Bias Current Source

Features

- Single 0-50A constant current output, can be used as a host or a slave
- Support up to 8 sets of on-line, maximum 400A constant current output
- Master/slave control mode, flexible cutability and expandability
- Precise current stepping
- 1Hz-2MHz frequency response
- Single current, step scanning two current output modes
- Graphical operation, Chinese and English interface
- Two SCPI command modes, strong adaptability
- 5 control modes
- Directly controlled by TH2836/TH2838 /TH2839/TH2840/ TH2848 series



Applications

- Inductor/reactor DC characteristics analysis
- Iron core / ferrite material saturation characteristics analysis
- DC characteristics analysis of other materials

RS232	USB HOST	USB DEVICE
standard	standard	standard

TH1779

Dimension(mm): 430mm(W)x177mm(H)x585mm(D)
Weight: 26.5kg

Specifications

Model		TH1779
master-slave		Host/Pragmatic
display	monitor	7-inch 800×480 RGB, TFT LCD screen
	interface	full-graphical
operation		Physical keypad + footswitch
Range		50A
current step	Range	0.1A-50A
	resolution	0.1A
Measurement frequency support		1kHz-2MHz
Scanning adjustment time		10ms-3600s 20ms-3600s
Minimum step for scanning adjustment		0.01A
Maximum Output Voltage		16V
Maximum Allowable DC Resistance		$R_{max} = V_{max} / I$ (Ω) (Ω)(For the calculation of Rmax, please refer to the user manual.)
Maximum Allowable Inductance		$L_{max} = V_{max} / di/dt$ (mH) (For the calculation of Lmax, please refer to the user manual.)
Start and stop control mode		START/STOP physical keys, bus, footswitch
Continuous loading maximum current time		30 Min
function		Instrument fault self-test; Chinese and English bilingual; slave soft switch; real-time operation; SCPI instruction set, etc.
interface		RS232,SlaverLink
working environment	normal operation	0°C-55°C
	reference work	23(±5)°C
	Transportation environment	0°C-55°C
humidity	normal operation	< 90%RH
	reference work	< 80%RH
	Transportation environment	< 93%RH
power supply	Voltage	AC 220V/110V (1±10%)
	Frequency	50Hz/60Hz (1±5%)
	power	Standby: ≤100VA, Fullload: 1.5kVA
Dimension (mm)		single-unit 430 (W) ×177 (H) ×585 (D) (Not in cabinet volume)
Weight		single-unit 26.5kg (Weight not in cabinet)