





BTS4000-5V50mA Battery Testing System										
Model:	BTS4000-	5	V	50	mA	Battery Testing System	SN:	CT-4008	-5V50mA	- 164
Items		Values								
Input AC		AC 220V/110V ±10% / 50Hz								
Input Power		3544 mW								
Resolution		AD: 16bit; DA: 16bit								
Input Impedence		≥10G Ω								
Voltage	CV output range	25mV~5V								
	Min discharge voltage	0V								
	Accuracy	± 0.05% of FS								
	Stability	± 0.05% of FS								
Current	Output range/channel	Range1: 25μA-5mA; Range2: 5mA-50mA								
	Accuracy	± 0.05% of FS								
	CV cut-off current	0.1mA								
	Stability	± 0.05% of FS								
Power	Output power/channel	0.25	W							
	Stability	± 0.1% of FS								
Time	Current response time	Max rising time:1ms								
	Working step time	≤(365*24)h/step Time format-00: 00: 00.000(h、m、s、ms)								
Data record	Data record conditions	Min data record interval:100ms								
		Min voltage change: 10mV								
		Min current change: Range1: 10μA; Range2: 0.1mA								
	Frequency	10Hz								
Charge	Charge modes	CC、CV、CCCV、CP								
	Cut-off condition	Voltage、Current、Time、Capacity、-ΔV								
Discharge	Discharge modes	CC、CP、CR、 CV								
	Cut-off condition	Voltage、Current、Time、Capacity、-ΔV								
Pulse	Charge	CC、CP								
	Discharge	CC、CP								
	Min pulse width	500ms								
	Pulse counts	Up to 32								
	Chg and Dischg switch	Supported								
	Cut-off condition	Voltage、Time								
DCIR	Supported									
Cycle	Max cycles	65535								
	Max steps	254								
	Cycle nest	3								
Protection	Safety protection	● Power-off data protection								
		● Off-line operation mode								
		● User-defined protection conditions, such as upper and lower limited current/voltage, delay time, temperature, etc.								

Channels feature	Independent pairs of closed loop for constant		
Channels control mode	Independent control		
Data acquisition method	Kelvin connection		
Noise	<85dB		
Database	MySQL		
Communicatin	TCP/IP		
Operating system	Windows 7/8/10 64 bit		
Data export	EXCEL、TXT、CSV、PDF、Plot/Graph		
Disk drive	500GB		
Communication port	Ethernet port		
Leak Current	0.0000005mA		
Channels per unit	8		
Operation and storage environment requirement			
Items	Values		
Operation environment temperature	0℃~40℃ (When the temperature is 25±10℃, the accuracy error caused by temperature change is less than 50ppm /℃)		
Storage environment temperature	-10℃~50℃		
Operation environment humidity	≤70% RH(no moisture condensation)		
Storage environment humidity	≤80% RH(no moisture condensation)		
Clamps and dimensions			
Items	Values		
Tester pictures			
Clamps pictures (Pictures just for reference)			
Clamps types	Alligator	Polymer	Coin
Dimensions (W*D*H) (mm)	1U(164), 480*330*44		