





BTS4000-5V50mA Battery Testing System			
Model:	BTS4000-5V50mA	Battery Testing System	SN: CT-4008Tn-5V50mA
Items		Values	
Input AC		AC 220V ±10% / 50Hz	
Input power		25 W	
Resolution		AD: 16bit; DA: 16bit	
Input impedance		≥1GΩ	
Voltage	CV output range	25mV~5V	
	Min discharge voltage	-5V	
	Accuracy	± 0.05% of FS	
	Stability	± 0.05% of FS	
Current	Output range/channel	Range1: 5μA-1mA; Range2: 1mA-25mA; Range3: 25mA-50mA	
	Accuracy	± 0.05% of FS	
	CV cut-off current	Range1: 2μA; Range2: 50μA; Range3: 100μA	
	Stability	± 0.05% of FS	
Power	Output power/channel	0.25	W
	Stability	± 0.1% of FS	
Time	Current response time	<500μs (10%FS~90%FS)	
	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: 2μA; 50μA; 100μA	
	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	
Pulse	Charge	CC、CP	
	Discharge	CC、CP	
	Min pulse width	500ms	
	Pulse counts	Up to 32	
	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		
Communication	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	0.005μA		
Channels per unit	8		
Operation and storage environment requirement			
Items	Values		
Operation environment temperature	0°C~40°C (When the temperature is 25±10°C, the accuracy error caused by temperature change is less than 50ppm /°C)		
Storage environment temperature	-10°C~50°C		
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 (19") , 483*310*48		