





BTS4000-5V100mA Battery Testing System			
Model:	BTS4000-	5V100mA	Battery Testing System SN: CT-4008Q-5V100mA
Items		Values	
Input AC		AC 220V ±10% / 50Hz	
Input power		40 W	
Resolution		AD: 24bit; DA: 16bit	
Input impedance		≥1G Ω	
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: 0.5μA-0.1mA; Range2: 0.1mA-1mA; Range3: 1mA-10mA; Range4: 10mA-100mA	
	Accuracy	±0.05% of FS	
	CV cut-off current	0.2mA	
	Stability	±0.05% of FS	
Power	Output power/channel	0.5 W	
	Stability	0.1% of FS	
Time	Current response time	≤1ms (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: 5mV	
		Min current change: Range1: 0.1μA; Range2: 1μA; Range3: 10μA; Range4: 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	
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	<45dB		
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℃~40℃ (When the temperature is 25±10℃, the accuracy error caused by temperature change is less than 50ppm /℃)		
Storage environmenttemperature	-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 (19") , 443*310*43		