





BTS4000-5V10mA Battery Testing System											
Model:	BTS4000-	5	V	10	mA	Battery Testing System	SN:	CT-4008T	-5V10mA	-	164
Items		Values									
Input AC		AC 220V/110V ±10% / 50Hz									
Input power		709 mW									
Resolution		AD: 16bit; 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	<b>Range1: 5μA-1mA; Range2: 1mA-5mA; Range3: 5mA-10mA;</b>									
	Accuracy	± 0.05% of FS									
	CV cut-off current	Range1: 2 μ A; Range2: 0.01mA; Range3: 0.02mA									
	Stability	± 0.05% of FS									
Power	Output power/channel	0.05	W								
	Stability	± 0.1% of FS									
Time	Current responsetime	<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: 2 μ A; 0.01mA; 0.02mA									
Frequency	10Hz										
	Charge modes	CC、CV、CCCV、CP									
Charge	Cut-off condition	Voltage、Current、Time、Capacity、-ΔV									
Discharge	Discharge modes	CC、CP、CR、 <b>CV</b>									
	Cut-off condition	Voltage、Current、Time、Capacity									
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	<ul style="list-style-type: none"> <li>• Power-off data protection</li> <li>• Off-line operation mode</li> <li>• User-defined protection conditions, such as upper and lower limited current/voltage, delay time, temperature, etc.</li> </ul>									

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	0.005μA		
Channels per unit	8		
<b>Operation and storage environment requirement</b>			
<b>Items</b>	<b>Values</b>		
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)		
<b>Clamps and dimensions</b>			
<b>Items</b>	<b>Values</b>		
Tester pictures			
Clamps pictures (Pictures just for reference)			
Clamps types	Alligator	Polymer	Coin
Dimensions (W*D*H) (mm)	1U(164), 480*330*44		