





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	Range1: 5μA-1mA; Range2: 1mA-5mA; Range3: 5mA-10mA;				
	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	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				
	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	0.005μA		
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(164), 480*330*44		