





BTS4000-5V20mA Battery Testing System										
Model:	BTS4000-	5	V	20	mA	Battery Testing System	SN:	CT-4008	-5V20mA	- 164
Items		Values								
Input AC		AC 220V/110V ±10% / 50Hz								
Input Power		1418 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	<b>Range1: 10μA-2mA; Range2: 2mA-20mA</b>								
	Accuracy	± 0.05% of FS								
	CV cut-off current	0.04mA								
	Stability	± 0.05% of FS								
Power	Output power/channel	0.1	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: 4μA; Range2: 0.04mA								
	Frequency	10Hz								
Charge	Charge modes	CC、 CV、 CCCV、 CP								
	Cut-off condition	Voltage、 Current、 Time、 Capacity、 -ΔV								
Discharge	Discharge modes	CC、 CP、 CR、 <b>CV</b>								
	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		
<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 environment temperature	-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		