





BTS4000-5V5mA Battery Testing System											
Model:	BTS4000-	5	V	5	mA	Battery Testing System	SN:	CT-4008	-5V5mA	-	164
Items		Values									
Input AC		AC 220V/110V $\pm$ 10% / 50Hz									
Input Power		3544 mW									
Resolution		AD: 16bit; DA: 16bit									
Input Impedence		$\geq$ 10G $\Omega$									
Voltage	CV output range	25mV~5V									
	Min discharge voltage	0V									
	Accuracy	$\pm$ 0.05% of FS									
	Stability	$\pm$ 0.05% of FS									
Current	Output range/channel	<b>Range1: 25<math>\mu</math>A-5mA; Range2: 5mA-50mA</b>									
	Accuracy	$\pm$ 0.05% of FS									
	CV cut-off current	0.1mA									
	Stability	$\pm$ 0.05% of FS									
Power	Output power/channel	0.25	W								
	Stability	$\pm$ 0.1% of FS									
Time	Current rspnse time	Max rising time:1ms									
	Working step time	$\leq$ (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: 0.1mA									
	Frequency	10Hz									
Charge	Charge modes	CC、CV、CCCV、CP									
	Cut-off condition	Voltage、Current、Time、Capacity、 $-\Delta$ V									
Discharge	Discharge modes	CC、CP、CR、 <b>CV</b>									
	Cut-off condition	Voltage、Current、Time、Capacity、 $-\Delta$ V									
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		
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	0.0000005mA		
Channels per unit	8		
<b>Operation and storage environment requirement</b>			
<b>Items</b>	<b>Values</b>		
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)		
<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		