







BTS4000-5V50mA Battery Testing System										
Model:	BTS4000-	5	V	50	mA	Battery Testing System	SN:	CT-4008T	-5V50mA	-164
Items						Values				
Input AC						AC 220V/110V $\pm$ 10% / 50Hz				
Input power						25 W				
Resolution						AD:16bit; DA:16bit				
Input impedance						$\geq$ 1G $\Omega$				
Voltage	CV output range					25mV~5V				
	Min discharge voltage					-5V				
	Accuracy					$\pm$ 0.05% FS				
	Stability					$\pm$ 0.05% FS				
Current	Output range/channel					<b>Range1: 5<math>\mu</math>A-1mA; Range2: 1mA-25mA; Range3: 25mA-50mA</b>				
	Accuracy					$\pm$ 0.05% FS				
	CV cut-off current					Range1: 2 $\mu$ A; Range2: 50 $\mu$ A; Range3: 100 $\mu$ A				
	Stability					$\pm$ 0.05% FS				
Power	Output power/channel					0.25   W				
	Stability					$\pm$ 0.1% FS				
Time	Current response time					<500 $\mu$ s (10%FS~90%FS)				
	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: 2 $\mu$ A; 50 $\mu$ A; 100 $\mu$ A				
Frequency					10Hz					
Charge	Charge modes					CC, CV, CCCV, CP				
	Cut-off condition					Voltage, Current, Time, Capacity, Energy, $-\Delta$ V				
Discharge	Discharge modes					CC, CV, CCCV, CP, CR				
	Cut-off condition					Voltage, Current, Time, Capacity, Energy				
Pulse	Charge					CC, CP				
	Discharge					CC, CP				
	Min pulse width					500ms				
	Pulse counts					Up to 32				
	Chg and Dschg switch					Supported				
	Cut-off condition					Voltage, Time				
DCIR	Calculated DCIR values available in BTSDA									
Cycle	Max cycles					65535				
	Max steps					254				
	Cycle nest					3				
Protection	Safety protection					<ul style="list-style-type: none"> <li>Power-failure data protection</li> </ul>				
						<ul style="list-style-type: none"> <li>Offline operation mode</li> </ul>				

	<ul style="list-style-type: none"> <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	<45dB		
Database	MySQL		
Communication	TCP/IP		
Operating system	Windows 7/8/10 64bit		
Data export	EXCEL, TXT, CSV, PDF, Plot/Graph		
Min. 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°C~40°C (When the temperature is 25±10°C, the accuracy offset caused by temperature 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)	1U19", 483*310*48		