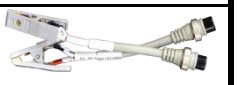
Specifications

BTS4000-5V10mA Battery Testing System													
Model:	BTS4000	5	V	10	mA	Battery Testing System	SN:	CT4008T	5V10mA	-	164		
Items						**Values**							
Input AC						AC 220V/110V ±10% / 50Hz							
Input power						25W							
Resolution						AD:16bit; DA:16bit							
Input impedance						≥1G Ω							
Voltage	CV output range					25mV~5V							
	Min discharge voltage					-5V							
	Accuracy					± 0.05% FS							
	Stability					± 0.05% FS							
Current	Output range/channel					**Range1:5μA-1mA;Range2:1mA-5mA;Range3:5mA-10mA;**							
	Accuracy					± 0.05% FS							
	CV cut-off current					Range1: 2μA; Range2: 0.01mA; Range3: 0.02mA							
	Stability					± 0.05% FS							
Power	Output power/channel					0.05	W						
	Stability					± 0.1% FS							
Time	Current response time					〈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: 2μA; 0.01mA; 0.02mA							
	Frequency					10Hz							
Charge	Charge modes					CC, CV, CCCV, CP							
	Cut-off condition					Voltage, Current, Time, Capacity, -△V							
Discharge	Discharge modes					CC, CV, CCCV, CP, CR							
	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 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	• Power-failure data protection
		• Offline operation mode
		• User-definedprotectionconditions,suchasupperandlower 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
Communication	TCP/IP
Operating system	Windows 7/8/10 64 bit
Data export	EXCEL, TXT, CSV, PDF, Plot/Graph
Min. 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℃(Whenthetemperatureis25±10℃,theaccuracy offset caused by temperature is less than50ppm/℃)
Storage environment temperature	-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)	1U19", 480*330*44