

BTS4000-5V100mA Battery testing system											
Model:	BTS4000-	5	V	100	mA	Battery testing system		SN	CT-4008Q	-5V100mA	-124
Items						Values					
Input AC						AC 220V/110V ±10% / 50Hz					
Input power						40	W				
Resolution						AD: 24bit; DA: 24bit					
Input Impedance						≥1GΩ					
Voltage	CV output range					10mV~5V					
	Min discharge voltage					-5V					
	Accuracy					± 0.01% of FS					
	Stability					± 0.02% of FS					
Current	Output range/channel					Range1: 0. 2 μA-0.1mA; Range2: 0.1mA-1mA; Range3: 1mA-10mA; Range4: 10mA-100mA					
	Accuracy					± 0.01% of FS					
	CV cut-off current					Range1: 0.1μA; Range2: 1μA; Range3: 1μA; Range4: 0.1mA					
	Stability					± 0.02% of FS					
Power	Output power/channel					0.5	W				
	Stability					± 0.1% of FS					
Time	Current response time					Max rising time:1.5ms					
	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:10ms					
						Min voltage change: 5mV					
						Min current change: 40mA					
	Frequency					100Hz					
Charge	Charge modes					CC、 CV、 CCCV、 CP					
	Cut-off condition					Voltage、 Current、 Time、 Capacity、 -ΔV					
Discharge	Discharge modes					CC、 CP、 CR					
	Cut-off condition					Voltage、 Current、 Time、 Capacity					
Pulse	Charge					Constant current, Constant power					
	Discharge					Constant current, Constant power					
	Min pulse width					500ms					
	Pulse counts					Up to 32					
	Chg and Dischg switch					Supported					
	Cut-off condition					Voltage、 Time					
DCIR	Supported										
CH parallel	Supported, in parallel mode pulse function is disabled										
Cycles	Max cycles					65535					
	Max steps					254					
	Nest					3					

Protection	Safety protection	• Power-off data protection	
		• Off-line operation mode	
	Hardware protection	• User-defined protection conditions, such as upper and lower limited current/voltage, delay time, temperature, etc.	
Channels feature		Foolproof protection with hardware protection level IP20	
Channels feature		Independent pairs of closed loop for constant current source and constant voltage source.	
Channels per unit		8	
Channels control mode		Independent control	
Data acquisition method		Kelvin connection	
Noise		<45dB	
Database		MySQL	
Communication		TCP/IP	
Data Export		EXCEL、TXT、CSV、PDF、Plot/Graph	
Harddrive space requirement		500GB	
Leak current		0.005μA	
Operation system		Windows 7/8/10	
Communication port		Ethernet port	
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 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 Picture (Pictures just for reference)			
Clamps pictures (Pictures just for reference)			
Clamps types		Alligator	Polymer
Dimension (W*D*H) (mm)		Ring connector	
Dimension (W*D*H) (mm)		1U (19") , 483.6*321.5*48.5	