

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	
	• User-defined protection conditions, such as upper and lower limited current/voltage, delay time, temperature, etc.		
	Hardware protection	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)		1U (19") , 483.6*321.5*48.5	
			