⩗⩗NEWARE **Specifications**

BTS4000-5V100mA Battery Testing System

Model:	BTS4000-	5	V	100	mA	Battery Testing System	SN:	CT-4008Q	-5V100mA	-	164

Items		Values	
Input AC		AC 220V/110V ±10% / 50Hz	
Input Power		7	W
Resolution		AD：16bit；DA：16bit	
Input Impendence		≥10G Ω	
Voltage	CV output range	25mV~5V	
	Min discharge voltage	-5V	
	Accuracy	± 0.02% of FS	
	Stability	± 0.02% of FS	
Current	Output range/channel	**Range1: 0.1mA; Range2: 1mA; Range3: 10mA; Range4: 100mA**	
	Accuracy	± 0.02% of FS	
	CV cut-off current	Range1: 2µA; Range2: 50µA; Range3: 100µA; Range4: 200µA	
	Stability	± 0.02% of FS	
Power	Output power/channel	0.5	W
	Stability	± 0.1% of FS	
Time	Current response time	Max rising time:1ms	
	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：0.2mA	
	Frequency	10Hz	
Charge	Charge modes	CC、CV、CCCV、CP	
	Cut-off condition	Voltage、Current、Time、Capacity、-△V	
Discharge	Discharge modes	CC、CP、CR、CV、CCCV	
	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 Dischg 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-off data protection	
		● Off-line operation mode	

	● User-defined protection conditions, such as upper and lower 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
Disk drive	500GB
Communication port	Ethernet port
Leak Current	0.005mA
Channels per unit	8

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 pictures (Pictures just for reference)			
Clamps pictures （Pictures just for reference）			
Clamps types	Alligator	Polymer	Coin
Dimensions（W*D*H）(mm)	1U(164)，480*330*44		