NEWARE **Specifications**

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 ±10% / 50Hz
Input power		25 W
Resolution		AD：16bit；DA：16bit
Input impedance		≥1G Ω
Voltage	CV output range	25mV~5V
	Min discharge voltage	-5V
	Accuracy	± 0.05% of FS
	Stability	± 0.05% of FS
Current	Output range/channel	**Range1: 5µA-1mA; Range2: 1mA-25mA; Range3: 25mA-50mA**
	Accuracy	± 0.05% of FS
	CV cut-off current	Range1: 2µA; Range2: 50µA; Range3: 100µA
	Stability	± 0.05% of FS
Power	Output power/channel	0.25 W
	Stability	± 0.1% of 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; 50µA; 100µA
	Frequency	10Hz
Charge	Charge modes	CC、CV、CCCV、CP
	Cut-off condition	Voltage、Current、Time、Capacity、-△V
Discharge	Discharge modes	CC、CP、CR、**CV**
	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 Dischg switch	Supported
	Cut-off condition	Voltage、Time
DCIR	Supported	
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
Communicatin	TCP/IP
Operating system	Windows 7/8/10 64bit
Data export	EXCEL、TXT、CSV、PDF、Plot/Graph
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℃ (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			
Clamps pictures （Pictures just for reference）			
Clamps types	Alligator	Polymer	Coin
Dimensions（W*D*H）(mm)	1U(164)，480*330*44		