Specifications

BTS4000-5V20A Battery testing system											
Model	BTS4000	5	V	0.6	A	Battery testing system	SN:	CT-4008T	-5V0.6A	-	TWS

Items		Values
Input AC		AC 220V/110V ±10% / 50Hz/60Hz (Configurable)
Input power		80 W
Resolution		AD：16bit；DA：16bit
Input Impedance		≥1MΩ
Voltage	CV output range	0.025V~5V
	Min discharge voltage	-5V
	Accuracy	± 0.05% of FS
	Stability	± 0.05% of FS
Current	Output range/channel	**Range1: 0.5mA-0.1A; Range2: 0.1A-0.3A; Range3: 0.3A-0.6A**
	Accuracy	± 0.05% of FS
	CV cut-off current	Range1：0.2mA;Range2：0.6mA;Range3：1.2mA
	Stability	± 0.05% of FS
Power	Output power/channel	3 W
	Stability	± 0.1% of FS
Time	Current response time	<2ms (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: 0.2mA; 0.6mA; 1.2mA
	Frequency	10Hz
Charge	Charge modes	CC、CV、CCCV、CP
	Cut-off condition	Voltage、Current、Time、Capacity、Energy、-△V
Discharge	Discharge modes	CC, CV, CCCV, CP, CR
	Cut-off condition	Voltage, Current, Time, Capacity, Energy
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	Calculated DCIR values available in BTSDA	
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.

Sales rep: 강연성
Email: sales@neware.co.kr
Web: www.neware.co.kr
Tel: 031-374-0834

Specifications

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 control mode	Independent control
Data acquisition method	Kelvin connection
Noise	<55dB
Database	MySQL
Communication	TCP/IP
Data Export	EXCEL、TXT、CSV、PDF、Plot/Graph
Harddrive space requirement	500GB
Leak current	<5μA
Operation system	Windows 7/8/10 64bit
Communication port	Ethernet port
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 Picture (Pictures just for reference)		
Clamps pictures (Pictures just for reference)		
Clamps types	Coin	Polymer
Dimension（W*D*H）(mm)	2U(19") 484*343*88	

Sales rep: 강연성
Email: sales@neware.co.kr
Web: www.neware.co.kr
Tel: 031-374-0834

Specifications

BTS4000-5V20A Battery testing system											
Model	BTS4000	5	V	1	A	Battery testing system	SN:	CT-4008T	-5V1A	-	TWS

Items		Values
Input AC		AC 220V/110V ±10% / 50Hz/60Hz (Configurable)
Input power		100 W
Resolution		AD: 16bit; DA: 16bit
Input Impedance		≥1MΩ
Voltage	CV output range	0.025V~5V
	Min discharge voltage	-5V
	Accuracy	± 0.05% of FS
	Stability	± 0.05% of FS
Current	Output range/channel	**Range1: 0.5mA-0.1A; Range2: 0.1A-0.5A; Range3: 0.3A-1A**
	Accuracy	± 0.05% of FS
	CV cut-off current	Range1: 0.2mA;Range2: 1mA;Range3: 2mA
	Stability	± 0.05% of FS
Power	Output power/channel	5 W
	Stability	± 0.1% of FS
Time	Current response time	<2ms (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: 0.2mA; 1mA; 2mA
	Frequency	10Hz
Charge	Charge modes	CC、CV、CCCV、CP
	Cut-off condition	Voltage、Current、Time、Capacity、Energy、-△V
Discharge	Discharge modes	CC, CV, CCCV, CP, CR
	Cut-off condition	Voltage, Current, Time, Capacity, Energy
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	Calculated DCIR values available in BTSDA	
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.

Sales rep: 강연성
Email: sales@neware.co.kr
Web: www.neware.co.kr
Tel: 031-374-0834

Specifications

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 control mode	Independent control
Data acquisition method	Kelvin connection
Noise	<55dB
Database	MySQL
Communication	TCP/IP
Data Export	EXCEL、TXT、CSV、PDF、Plot/Graph
Harddrive space requirement	500GB
Leak current	<5μA
Operation system	Windows 7/8/10 64bit
Communication port	Ethernet port
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 Picture (Pictures just for reference)		
Clamps pictures (Pictures just for reference)		
Clamps types	Coin	Polymer
Dimension（W*D*H）(mm)	2U(19") 484*343*88	

Sales rep: 강연성
Email: sales@neware.co.kr
Web: www.neware.co.kr
Tel: 031-374-0834