



NEWARE

Specifications

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BTS4000-10V3A Battery testing system

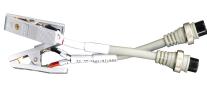
Model:	BTS4000-10V3A	SN:	CT-4008	-	S1				
Items		Values							
Input AC		AC 220V/110V ±10% / 50Hz							
Input power		365 W							
Resolution		AD: 16bit; DA: 16bit							
Input impedance		≥1MΩ							
Voltage	CV output range		50mV~10V						
	Min discharge voltage		1.0V for universal holder, 1.5V for 2m cable						
	Accuracy		± 0.05% of FS						
	Stability		± 0.05% of FS						
Current	Output range/channel		15mA-3A						
	Accuracy		± 0.05% of FS						
	CV cut-off current		0.006A						
	Stability		± 0.05% of FS						
Power	Output power/channel		30	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: 20mV						
			Min current change: 6mA						
	Frequency		10Hz						
Charge	Charge modes		CC, CV, CCCV, CP, CCCV for battery pack						
	Cut-off condition		Voltage, Current, Time, Capacity, -△V						
Discharge	Discharge modes		CC, CP, CR						
	Cut-off condition		Voltage, Current, Time, Capacity, -△V						
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		<ul style="list-style-type: none"> ● 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 64 bit
Data export	EXCEL、TXT、CSV、PDF、Plot/Graph
Disk drive	500GB
Communication port	Ethernet port
Leak Current	0.000001mA
Channels per unit	8

Operation and storage environment requirement

Items	Values
Operation environment temperature	0°C~40°C (When the temperature is 25±10°C, the accuracy error caused by temperature change is less than 50ppm /°C)
Storage environment temperature	-10°C~50°C
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	  
	Alligator Polymer Coin
Dimensions (W*D*H) (mm)	3U1F, 480*380*130