CHEN TECH ELECTRIC

CHEN TECH | Responsive Multi-range Battery Test Equipment BT 1000

Satisfy diverse battery test requirements throughout the whole research cycle

4 customizable current ranges

Expand battery materials research capability

Discharge to -5V

Improve battery research flexibility and mobility

Independently modularized design

General Performance Indicator

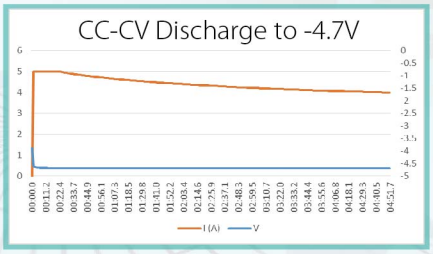
Current ranges	4	Output / measurement accuracy	0.02%	Data recording time	1ms

Up to 4 customizable current ranges

Along with being fully customizable, the BT 1000 will meet various requirements adopted in advanced battery research, by automatically changing the current range in accordance with the user's settings to maintain consistent accuracy.

Discharge to -5V

In response to anode materials research requirements, the BT 1000 is capable of discharging batteries to -5 volts. Thus allowing the user to test the limitations of the materials, characteristics and performance.



Modularized design

Every channel can be operated totally independently, or assembled together to become a larger system. This modularized design not only improves operational flexibility, but also makes maintenance and calibration easier.

Optional Features
- Advanced data analysis
- Drive simulation
- SOH evaluation

Optional Accessory
- Chamber
- 3rd party chamber integration
- Customized fixture

www.chentech.com.tw for further information

SCAN ME

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Specification

Model			BT 1000 5V/ 1A	BT 1000 5V/ 5A	BT 1000 5V/ 10A	BT 1000 5V/ 30A	BT 1000 5V/ 60A	BT 1000 5V/ 100A	BT 1000 5V/ 250A	BT 1000 5V/ 300A	BT 1000 5V/ 500A
AC Power			100V ~ 277VAC, 50Hz/60Hz, 1-phase								
Loading Range		Charge	0 ~ 5V								
		Discharge	0 ~ 5V (Option: -5~5V)								
Accuracy		Voltage	0.02% FSR								
		Current	0.02% FSR								
		Power	0.04% FSR								
Output	Constant Voltage	Range	0 ~ 5V								
		Resolution	0.1mV								
	Constant Current	Range 1	1A	5A	10A	30A	60A	100A	250A	300A	500A
		Resolution	0.1mA		1mA			10mA			
		Range 2	100mA	0.5A		5A		10A	50A		
		Resolution	10μA			0.1mA		1mA			
		Range 3	10mA	20mA		0.5A			5A		
		Resolution	1μA			10μA			100μA		
		Range 4	1mA			20mA			0.5A		
		Resolution	0.1μA			1μA			10μA		
	Constant Power	Range 1	5W	25W	50W	150W	300W	500W	1250W	1500W	2500W
		Resolution	1mW		10mW			100mW			
		Range 2	500mW	2.5W		25W		50W	250W		
		Resolution	0.1mW			1mW		10mW			
		Range 3	50mW	100mW		2.5W			25W		
		Resolution	0.01mW			0.1mW			1mW		
		Range 4	5mW			100mW			2.5W		
		Resolution	1μw			0.01mW			0.1mW		
Measurement	Voltage	Range	0 ~ 5V								
		Resolution	0.01mV								
	Current	Range 1	1A	5A	10A	30A	60A	100A	250A	300A	500A
		Resolution	0.01mA		0.1mA			1mA			
		Range 2	100mA	0.5A		5A		10A	50A		
		Resolution	1μA			0.01mA		0.1mA			
		Range 3	10mA	20mA		0.5A			5A		
		Resolution	0.1μA			1μA			10μA		
		Range 4	1mA			0.02A			0.5A		
		Resolution	0.01μA			0.1μA			1μA		
	Temperature	Range	-50°C ~ 150°C								
		Resolution	0.1°C								
		Accuracy	±1°C (-40°C ~ 90°C)								
Operation Mode			CC, CC-CV, CP								
Data Recording Time			100ms (option:10ms , 1ms)								
Communication Interface			CANBus/Ethernet								
Ambient Condition			23°C±2°C (20~90HR)								

The specification of this DM is for reference only. If there is any change, we will not issue a separate notice.

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