



## Three Range Lithium Ion Battery Testing Equipment 5V 50mA 8 Channel

Our Product Introduction

for more products please visit us on [lithiumbatterymachine.com](http://lithiumbatterymachine.com)

### Basic Information

- Place of Origin: China
- Brand Name: MRBEST
- Certification: CE
- Model Number: CT-4008T-5V50mA
- Minimum Order Quantity: 1 Set
- Price: Negotiable
- Packaging Details: Standard Export Wooden Packing
- Delivery Time: 7-20 working days
- Payment Terms: T/T, Western Union, MoneyGram
- Supply Ability: 500 sets per month



### Product Specification

- Name: 5V50mA 8 Channel Battery Tester
- Per Channel Current Range: Range 1: 5 $\mu$ A ~ 1 mA; Range 2: 1 mA ~ 25 mA; Range 3: 25 mA ~ 50 mA
- Channel Features: Constant Current Source And Constant Voltage Source With Independent Pairs Of Closed-loop Structure
- Channel Control Mode: Independent Control
- Per Channel Voltage Range: Charge 0.025V~5V Discharge 1.0V~5V
- Single-channel Maximum Output Power: 0.25W
- Highlight: **Lithium Ion Battery Testing Equipment, Three Range Battery Testing Equipment**

## 5V50mA 8 Channel Coin Cell Tester Analyzer For Lithium Ion Battery Testing Machine



### Model: CT-4008T-5V50mA





CT-4000 Multi Range mA Battery Testing System, characterized with 0.05% FS accuracy and down to  $\mu\text{A}$  capability, enables users to perform DCIR tests,  $dQ/dV$  and other basic tests on three-electrode system. It mainly focuses on battery research & development institutions and universities.

### Features

1. 5V50mA Battery Tester is an eight-channel battery analyzer to analyze, voltage 0-5V. Each channel of the analyzer has independent constant-current and constant-voltage source, which can be programmed and controlled by computer software.
2. This coin cell tester system provides most applications in battery testing fields such as electrode materials research, battery performance test, small scale battery formation, capability grading, battery pack testing, etc.
3. The coin cell tester is suitable for all kinds of coin cell battery such as lithium battery, NI-MH battery, Zn-Mn watch battery and so on.

### Specifications

5V50mA Three-Range Battery Testing System			
Equipment material code:		CT-4008Tn-5V50mA-HWX	
Indicator project		Indicator parameters	
Enter the power supply		AC 220V $\pm 10\%$ / 50Hz	
Input active power		25W	
Resolution ratio		AD: 24bit DA: 16bit	
Input impedance		$\geq 1\text{G}\Omega$	
Voltage	Constant voltage range control	25mV~5V	
	Minimum discharge voltage	-5V	
	Accuracy	$\pm 0.05\%$ of FS	
	Stability	0.1% of FS	
Current	Output range per channel	Range 1: $5\mu\text{A} \sim 1\text{mA}$ ; Range 2: $1\text{mA} \sim 25\text{mA}$ ; Range 3: $25\text{mA} \sim 50\text{mA}$	
	accuracy	$\pm 0.05\%$ of FS	
	Constant pressure cut-off current	Range 1: $2\mu\text{A}$ ; Range 2: $50\mu\text{A}$ ; Range 3: $100\mu\text{A}$	
	Stability	0.1% of FS	
Power	Single-channel maximum output power	0.25W	
	Stability	0.2% of FS	
Time	Current response time (10% FS to 90% FS)	500 $\mu\text{s}$	
	Working step time range	(365 * 24) hours / work step	Supported in time format: 00:00:00:00 (h, min, s, ms)

Data logging	Data recording conditions	Minimum time interval: 100ms	
		Minimum voltage interval: 10 mV	
		Minimum current interval: range 1:2 μ A; range 2:50 μ A; range 3:100 μ A	
	Record frequency	10Hz	
Charge	Charging mode	Constant current charging, constant voltage charging, constant current constant pressure charging, constant power charging	
	Cut-off condition	Voltage, current, relative time, capacity, - ΔV	
Discharge	Discharge mode	Constant current discharge, constant voltage discharge, constant current constant voltage discharge, constant power discharge, constant resistance discharge	
	Cut-off condition	Voltage, current, relative time, and capacity	
Pulse mode	Charge	Constant current mode, constant power mode	
	Discharge	Constant current mode, constant power mode	
	Minimum pulse width	500ms	
	Pulse number	A single pulse working step was supported for 32 different pulses	
	Continuous charge / discharge charge switching	A pulse step can realize charging continuous switching, or discharge continuous switching; (charge-to-charge switching is not supported)	
	Cut-off condition	Voltage, and relative time	
DCIR test	Support for custom taking points for the calculation of DCIR		
Recurrence	Circulating test range	1 to 65,535 times	
	Single cycle step number	254	
	Loop nesting	With nesting cycle function, up to 10 layer nesting support	
Protect	● Power-loss data protection		
	● It has the offline test function		
	● Safety protection conditions can be set, setting parameters include: voltage limit, voltage limit, current limit, current limit, capacity limit, delay time		
IP levels of protection	Protection level is IP20		
Channel characteristics	The constant current source and the constant voltage source adopt a double closed-loop structure		
Channel control mode	Independent control		
Voltage and current detection and sampling	Four-line connection		
Noise	<45dB		
Data base	The MySQL database was used to centralize the test data		
Upper-computer communication mode	Based on the TCP / IP protocol		
Server operating system	Windows 7 / Windows 10 and above systems		
Data output mode	EXCEL2003,2010,TXT		
Server disk configuration	500GB		
CI	Internet access		
Leakage current	0.005μA		
Number of machine channels	8		
Equipment working environment requirements			
Indicator project	Indicator parameters		
Operating temperature range	0 ~40 Ensure the measurement accuracy within the calibration temperature (usually 25 ) plus or minus 5 ; Accuracy drift is 0.005% of FS /		
Storage temperature range	-10 ~50		
Relative humidity range of the working environment	70% RH (no moisture condensation)		
Storage environment relative humidity range	80% RH (no moisture condensation)		
Grilamp specifications and dimensions			
Indicator project	Indicator parameters		
Types of fixtures	Up and down fixtures		
Clip image			
	Crocodile fixtures	Polymer fixtures	PCB buckle fixture
Pictures are for reference only, subject to the physical object			
Case size per unit (W * D * H) (mm)	1U (19"),483*310*43 (mm)		
Device pictures			
Pictures are for reference only, subject to the physical object			



**Shenzhen Meirui Zhida Technology Co., Ltd.**



+86 19866156608



tina@szmrbest.com



lithiumbatterymachine.com

104 Building 6, Second Industrial Zone, Shanmen Community, Yanluo Street, Baoan District, Shenzhen China