



## 5V 10mA Battery Testing Equipment 8 Channel Coin Cell Battery Tester Analyzer

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-5V10mA
- 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: 5V10mA 8 Channel Coin Cell Tester Analyzer
- Per Channel Current Range: Range 1: 5 $\mu$ A ~ 1mA; Range 2: 1mA ~ 5mA; Range 3: 5mA ~ 10mA
- 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: 5V 10mA Battery Testing Equipment, Battery Testing Equipment 8 Channel, 5V 10mA Coin Cell Battery Tester

## Product Description

### 5V 1mA 10mA 20mA 30mA 50mA 8 Channel Coin Cell Tester Analyzer Battery Capacity Testing Machine Equipment



**Model:** CT-4008T-5V10mA

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.

### High Accuracy Battery Cycler





Eight-channel battery charge and discharge testing system

### Software

- 1, Windows-based software interface for easy operation;
- 2, Uses standard SQL data-base management;
- 3, Real-time monitoring windows and integrated graph/data windows  
can set various working modes for measuring capacity and cycle life of all types of rechargeable batteries, such as: constant current discharge, constant current charge, constant voltage charge, rest, as well as voltage, current, time, capability, negative voltage slope, and other limit conditions;
- 4, The user can define the curve by different types such as voltage-time curve, current-time curve, capacity-voltage curve, loop times-charge/discharge capacity curve, loop times-charge/ discharge efficiency curve, etc. to make curves be compared both by visually and statistically;
- 5, Provide timely instructions, warnings, and intelligent support;

### Specifications

5V10mA Three-Range Battery Testing System		
Equipment material code:	CT-4008Tn-5V10mA-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: $1\text{mA} \sim 5\text{mA}$ ; Range 3: $5\text{mA} \sim 10\text{mA}$
	accuracy	$\pm 0.05\%$ of FS
	Constant pressure cut-off current	Range 1: $2\mu\text{A}$ ; Range 2: $0.01\text{mA}$ ; Range 3: $0.02\text{mA}$
	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: $2\mu\text{A}$ ; range 2: $0.01\text{mA}$ ; range 3: $0.02\text{mA}$
	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, $-\Delta V$
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	
Reurrence	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	<ul style="list-style-type: none"> <li>Power-loss data protection</li> </ul>	
	<ul style="list-style-type: none"> <li>It has the offline test function</li> </ul>	

	● 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



lithiumbatteryemachine.com

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