

Turnkey Solution for Battery Testing



CT-4000(mA) CT-4000(3C) CT-4000(Super-Capacitor) CE-5000(3C) CE-6000(Cell) CE-6000(Module) CE-6000(Pack) CT/CTE-8000 CT-9000 All-in-One Testing System 4 Temperature Zone All-in-One Testing System Constant Temperature Test Chamber High and Low Temperature Test Chamber Explosion-Proof Test Chamber Mini-All-in-One Testing System

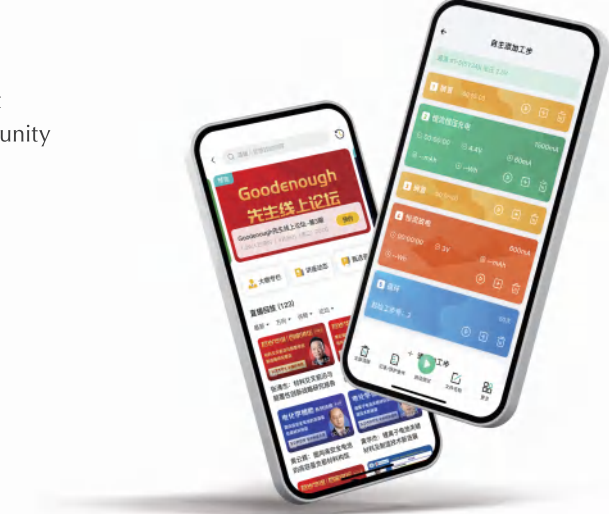
About NEWARE[®] Integrated Test Solution, Improves Manufacturing Process

NEWARE, founded in 1998, integrates Battery Testing System, Formation and Grading System, Environmental Test Chambers, NEWARE AI, MES, and Automated Production Line for Battery Manufacturers, Electric Vehicle Manufacturers, Energy Storage Enterprises, Universities, and Research Institutions worldwide. With a track record of over 327,000 shipped pieces of equipment and 700+ patents and software copyrights, NEWARE is widely recognized for its innovative technology and expertise in the field.

"NEWARE LabTech" and "NEWARE Store" Apps offer a one-stop-shop for Global Scientific Researchers in the field of Electrochemistry and Energy Storage Materials, providing access to Experimental Instruments, Consumables, Cutting-Edge Information, Academic Journals, Academic Exchanges, Industrial Insights, Job Opportunities, and more. These exclusive online platforms and services are designed to enhance the user experience for Scientific Researchers.

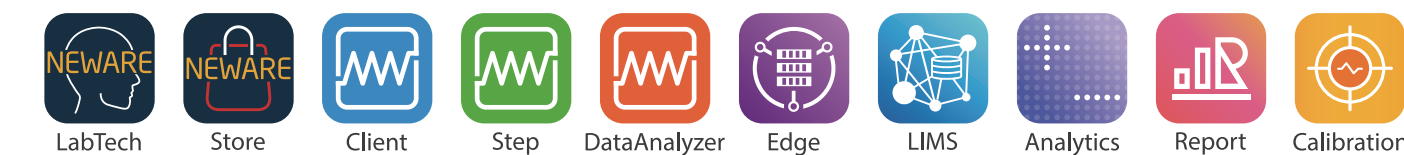
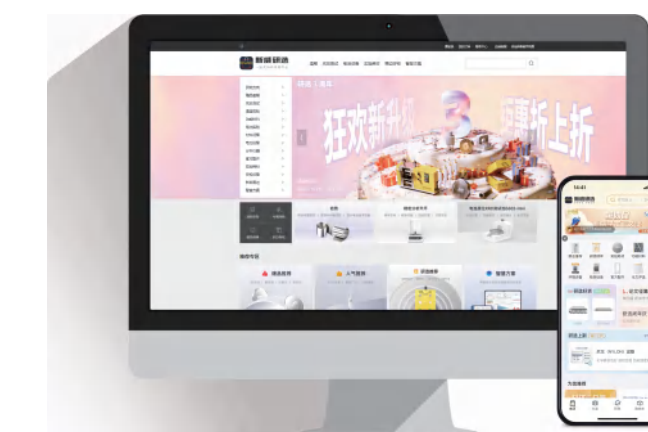
NEWARE LabTech App Smart-Lab Solutions Platform

Remote Intelligent Control | Technical Support | Asset Management
Academic Live Streaming | Selected Top Journals | Research Community



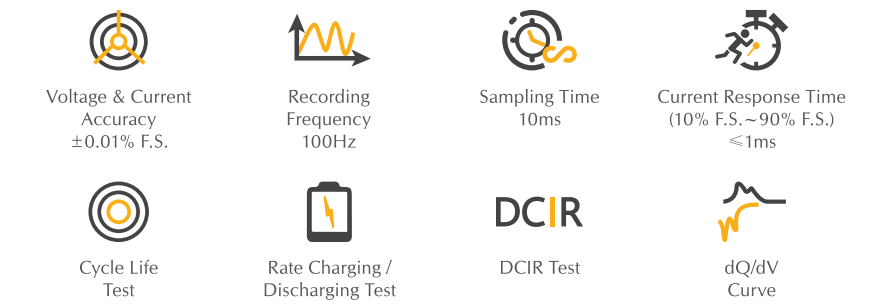
NEWARE Store App One-Stop Purchasing Platform

Complete Product Categories | One-Click Procurement | Video Explanation
Tool Guide | Academic Paper Award | Information Sharing



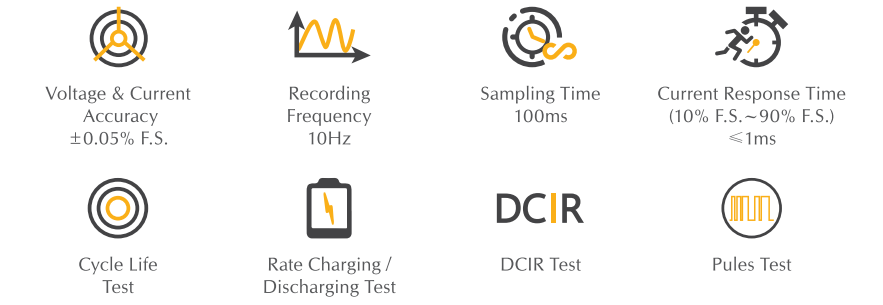
CT-4000 Battery Testing System(mA-Equipment with 4 Ranges)

An advanced mA type product, possessing high testing accuracy and favorable recording frequency. Suitable for Coin Cells, Small Capacity Battery, Super Capacitors, Three-Electrode System Testing and Battery Material Research, it can meet the needs of Material Manufacturers, Universities and Research Institutes.



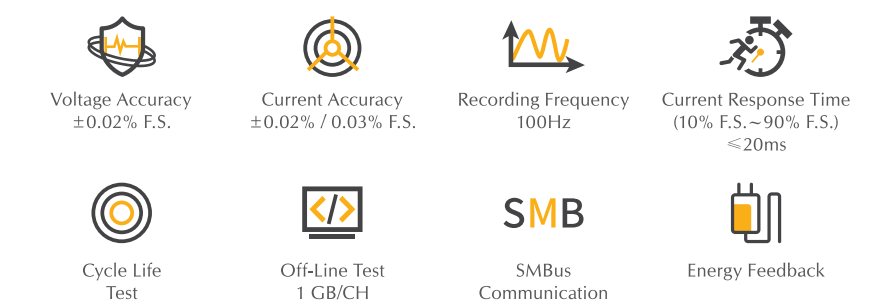
CT-4000 Battery Testing System

Suitable for Cylindrical and Pouch Cells of 3C Digital Products, it can meet the needs of Battery Manufacturers, 3C Manufacturers, Research Institutes, etc.



CE-5000 Battery Testing System

Suitable for 3C Products Such as Laptops, Tablets, and Power Tool Batteries, it can meet the needs of Battery Manufacturers, 3C Manufacturers, etc.



CE-6000 Cell Testing System

Suitable for Electric Vehicles Cells, Energy Storage Cells and other fields, it can meet the needs of Battery Manufacturers, Electric Vehicles Manufacturers and Energy Storage Manufacturers.

Voltage & Current Accuracy
±0.05% F.S.

Recording Frequency
100Hz

Current Response Time
≤2ms

Current Conversion Time
≤5ms

Minimum Pulse Width
20ms

Cycle Life Test

Simulation Test

Feedback Efficiency(Max)
75%
(More than 80% output power)

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CE-6000 Module Testing System

Suitable for Power Tools, Electric Vehicles, Communication Base Stations, Energy Storage and other fields, it can meet the needs of Battery Manufacturers, Electric Vehicles Manufacturers and Energy Storage Manufacturers.

Voltage Accuracy
±0.02% F.S.

Current Accuracy
±0.05% F.S.

Recording Frequency
100Hz

Current Response Time
(10% F.S.~90% F.S.)
≤3ms

Minimum Pulse Width
100ms

Cycle Life Test

Simulation Test

Feedback Efficiency(Max)
90%

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CE-6000 Pack Testing System

Suitable for Electric Vehicles, Communication Base Stations, Energy Storage and other fields, it can meet the needs of Battery Manufacturers, Electric Vehicles Manufacturers and Energy Storage Manufacturers.

Voltage & Current Accuracy
±0.05% F.S.

Recording Frequency
100Hz

Current Response Time
(10% F.S.~90% F.S.)
≤5ms

Current Conversion Time
(10% F.S.~90% F.S.)
≤10ms

Minimum Pulse Width
100ms

Cycle Life Test

Simulation Test

Feedback Efficiency(Max)
94%

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CT/CTE-8000 Simulation Battery Testing System

Suitable for Electric Vehicles Cells, Energy Storage Cells, Supercapacitors, it can meet the performance testing and working condition simulation needs of Battery Manufacturers, Electric Vehicles Manufacturers and Energy Storage Manufacturers.

Voltage & Current Accuracy
±0.05% F.S.

Sampling Time
10ms

Current Response Time
≤5ms(CTE)
≤20ms(CT)

Minimum Pulse Width
100ms

Cycle Life Test

Rate Charging / Discharging Test

HPPC Test

Working Condition Simulation
1,000,000 Rows

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CT-9000 Ultra-Precision Battery Testing System

Suitable for the test and research of Coin Cells, 3C Digital Batteries and Battery Materials, it can meet the high-precision testing needs of Battery Manufacturers, Material Manufacturers, Universities and Research Institutes.

Voltage&Current Accuracy
±0.02% F.S.

Recording Frequency
1000Hz

Current Response Time
≤100μs

Minimum Pulse Width
400μs

Cycle Life Test

DCIR Test

GSM

SMBus Communication

CV

dQ/dV Curve

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All-in-One Testing System

Conducting efficient testing and research on battery temperature performance for Coin Cells, it can meet various testing requirements of Material Manufacturers, Universities and Research Institutes.

- ◆ Cycle Life Test , Rate Charging / Discharging Test, GITT Test, DCIR Test, Temperature Capability, Reliability Experiment, et al.
- ◆ Integrated and connected with BTS by communication protocol, could set different temperatures and work steps.

Voltage & Current Accuracy
±0.01% F.S.

Sampling Time
10ms

Number of Channels
(Coin Cells)
160CH

Environment Temperature
5℃~35℃

Temperature Range & Deviation
0℃~60℃±2.0℃
(No Load & Stable Temperature)

Temperature Fluctuation
≤1℃
(No Load & Stable Temperature)

Heating Time
25℃~60℃(≤30min)

Cooling Time
25℃~0℃(≤50min)

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Model: MIHW-200-160CH-B

4 Temperature Zone All-in-One Testing System

It can meet the Material Manufacturers, Universities and Research Institutes of multiple temperature testing requirements for Coin Cells.

- ◆ Cycle Life Test , Rate Charging / Discharging Test, GITT Test, DCIR Test, Temperature Capability, Reliability Experiment, et al.
- ◆ Integrated and connected with BTS by communication protocol, could set different temperatures and work steps.

Space Saving
≤0.5m²

Voltage & Current Accuracy
±0.05% F.S.

Sampling Time
100ms

Number of Channels
(Coin Cells)
4×16CH

Temperature Range & Deviation
15℃~60℃±2.0℃
(No Load & Stable Temperature)

Temperature Fluctuation
≤1℃
(No Load & Stable Temperature)

Heating Time
25℃~60℃(≤40min)
(No load & Mean Nonlinear)

Cooling Time
25℃~15℃(≤60min)
(No load & Mean Nonlinear)

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Model: MHW-25-S-16CH
(It can be flexibly split and used separately)

200L Constant Temperature Test Chamber

Suitable for the temperature performance test of various batteries such as Coin, Pouch, Cylindrical and Prismatic Cells, for all Enterprises and Institutions that need to conduct the temperature test of batteries.

Forced-Circulation-Air Cooling

Fuzzy PID Algorithm

Number of Channels
(Coin Cells)
160CH

Environment Temperature
5℃~35℃

Temperature Range & Deviation
0℃~60℃±2.0℃
(No Load & Stable Temperature)

Temperature Fluctuation
≤1℃
(No Load & Stable Temperature)

Heating Time
25℃~60℃(≤30min)

Cooling Time
25℃~0℃(≤50min)

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Model: MHW-200

High and Low Temperature Test Chamber

Suitable for the temperature performance test of various batteries, such as Coin, Pouch, Cylindrical and Prismatic Cells, it can meet the detection and research of battery temperature reliability needs of Enterprises and Institutions.

Environment Temperature
5℃~35℃

Temperature Range
-20/-40/-70℃~150℃

Temperature Deviation
±2.0℃
(No Load&Stable Temperature)

Temperature Fuctuation
≤1℃
(No Load & Stable Temperature)

Heating Time
-20℃~150℃(≤60min)
-40℃~150℃(≤60min)
-70℃~150℃(≤75min)

Cooling Time
20℃~-20℃(≤45min)
20℃~-40℃(≤60min)
20℃~-70℃(≤75min)

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Model: MGDW Series

Explosion-Proof Test Chamber

Suitable for safety performance test of various batteries, such as Coin, Pouch, Cylindrical and Prismatic Cells, it can meet the detection and research of battery reliability needs of Enterprises and Institutions.

Environment Temperature
5℃~35℃

Relative Humidity
≤85%RH

Atmospheric Pressure
86kPa~106kPa

Multiple Storage Compartments

Smoke Alarm

Safe Testing

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Model: MFB-220-2K

NEWARE Accessories

Suitable for batteries of different shapes and sizes, such as Coin, Pouch, Cylindrical and Prismatic Cells, it can meet the testing and research needs of Enterprises and Institutions for various battery performance.

Coin Cell Clamp

Pouch Cell Alligator Clip Clamp

Polymer Cell Clamp

E-Cigarette Battery Clamp

Battery Test Probe

Single-Channel Elbow Clamp for Cylindrical Cells

46-Series Cylindrical Cell Elbow Clamp

Prismatic Cell Clamp

Pouch Cell Elbow Clamp

Pouch Cell Pressure Plate Clamp

Pouch Cell Spring Pressure Plate Clamp

Pouch Cell Heat Press Sensor Clamp