

# **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.



Voltage & Current

Accuracy

±0.01% F.S.

Cycle Life





Sampling Time

DCIR Test





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



dQ/dV





#### 

Rate Charging /

Discharging Test

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





±0.05% F.S.

Cycle Life









Rate Charging /















Pules Test

Current Response Time

(10% F.S.~90% F.S.)





### **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.











Communication





±0.02% F.S.

Cycle Life

Off-Line Test 1 GB/CH

±0.02% / 0.03% F.S.

SMBus

Energy Feedback







#### **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 ±0.05% F.S.









Recording Frequency













4451



# **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.





Current Accuracy ±0.05% F.S.













100Hz

Feedback Efficiency(Max)

Recording Frequency Current Response Time

(10% F.S.~90% F.S.)





#### **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.

















(10% F.S.~90% F.S.) (10% F.S.~90% F.S.)



#### 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.



Cycle Life







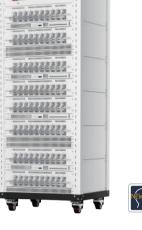




≤5ms(CTE)

 $\leq 20 \text{ms}(CT)$ 







#### **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.



Accuracy

±0.02% F.S.

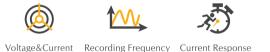
DCIR Test



Sampling Time

Rate Charging /

Discharging Test

















### **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.

SMBus Communication

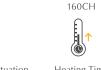
- ◆ Cycle Life Test , Rate Charging / Discharging Test, GITT Test, DCIR Test, Temperature Capability,
- ◆ Integrated and connected with BTS by communication protocol, could set different temperatures





(No Load & Stable Temperature)











# 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.

**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

(Coin Cells)

Institutions that need to conduct the temperature test of batteries.

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

Sampling Time



15 C ~ 60 C ± 2.0 C

Forced-Circulation-Air

Cooling

Range & Deviation

0°C ~ 60°C ±2.0°C (No Load & Stable Temperature







Fuzzv PID

Algorithm

Voltage & Current





(Coin Cells)

4×16CH











Number of Channels Environment Temperature

Model: MHW-200







and Institutions.

Multiple Storage

Compartments

**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



Pouch Cell Alligator Clip Clamp

Single-Channel Elbow Clamp

for Cylindrical Cells

Pouch Cell Pressure Plate Clamp



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.

86kPa~106kPa

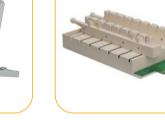


Battery Test Probe

Pouch Cell Elbow Clamp







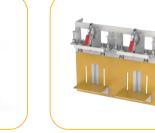


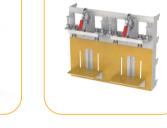




46-Series Cylindrical

Polymer Cell Clamp







Prismatic Cell Clamp



Pouch Cell Spring Pressure



Sensor Clamp

ZY-EN-1-1-230420-V1.1

# 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.

**High and Low Temperature Test Chamber** 













Temperature Deviation





#### Model: MGDW Series