

NEWARE

23 Years Experience

Battery Materials Research Testing System



BTS5V20mA8CH

BTS5V20mA is classic and stable product during 23 years of continuous improvement. It widely used in battery materials research of electrochemistry.

NEWARE Technology Limited

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Application

- Battery Materials Research:
 - Half-cell Testing
 - Button Cell Testing
 - Multi-electrode Testing
- Small Pouch Cells Testing
- Super-capacitor Testing

Key Feature

- DCIR Test
- Charge Discharge Performance with real time monitor and quick data view
- dQ/dV Measurement
- Specific Capacity Testing with discharging to -5V
- Life Cycle Testing with Max. 254 steps single cycle and up to 65535 cycle times
- Every channel is independent that could run different testing programs simultaneously
- Test data could be exported in Excel,TXT,PDF format
- BTS is operated by the Neware client software installed on computer; Testing data could be analyzed by the BTSDA software include transform data into curves
- Safety Protection:
 - Power off testing data protection
 - Offline operation mode
 - Protection condition as parameter of Voltage,Current,Delay Time,Temperature,ect.
 - Hardware Anti-reverse connection function

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General Specifications

Input AC Power:	220V/110V±10% 50Hz/60Hz
Input Power:	25W
Input Impedance:	≥1GΩ
Resolution:	AD:16 bit;DA:16 bit
Rise Time(10-90%):	< 500uS
Channel Control Mode:	Independent Control
Data Management:	MySQL Database Centralized management
Interface:	Ethernet Port
Noise:	<45dB

Key Specifications

Current	Stability:	±0.05%
	Accuracy:	±0.05%
	Cut Off Current:	2uA
	Current Range:	Range 1: 5uA~1mA Range 2: 1mA~10mA Range 3: 10mA~20mA
Voltage	Stability:	±0.05%
	Accuracy:	±0.05%
	Discharge To:	-5V
	Voltage Range:	25mV~5V
Data	Record Condition:	Min. Time:100ms Min. Voltage:10mV Min. Current:2uA
	Record Frequency:	10Hz
	Charge Mode:	CCC、CVC、CPC、CCCVC
Charge	End Condition:	Voltage、Current、Relative Time、Capacity、Relative Voltage
	Discharge Mode:	CCD、CVD、CPD、CRD、CCCVD
Discharge	End Condition:	Voltage、Current、Relative Time、Capacity、Relative Voltage

Battery Materials
Research Testing
System



560*760*1800mm

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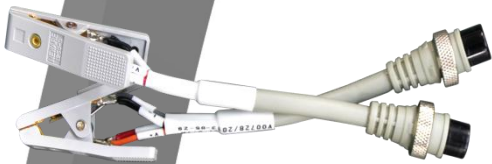
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Clamps



Data Protection

Software Protection:	Power-off Data Protection
	Off-line Testing Function
Hardware Protection:	Setting Protection Condition; Setting Parameter: Lowest Voltage Limited、Upper Voltage Limited、Lowest Current Limited、Upper Current Limited、Delay Time
	Additional anti-reverse protection model

Work Environment

Working Temperature:	0~40°C
Storage Temperature:	-10~50°C
Working Humidity:	<70% RH
Storage Humidity:	<80% RH

Computer Configuration

CPU:	Above dual core
RAM:	8G
Hard Disk:	200G
File system format:	NTFS
Operation System:	Windows 7 or above 64-bit system
Interface Port:	Ethernet Port
Computer IP:	129.168.1.250
Firewall:	Close firewall when install software
Antivirus Software:	No antivirus software

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