

HF-WC-631

DC Circuit Breaker Tester



DC Circuit Breaker Tester accurately measures tripping current and operation time of DC circuit breakers. It verifies overload and short-circuit protection characteristics, widely used for factory inspection, routine maintenance and commissioning of new energy stations, DC power supply and battery energy storage systems.

Key features

- The instrument supports standalone operation and PC connected operation.
- Equipped with 320×240 LCD display and high-speed thermal printer; full keyboard human-machine interaction realizes intelligent full-process operation.
- Adopts power electronic control technology to generate high output current, featuring fast response, high precision and continuously adjustable output.
- Multiple high-precision sensors enable automatic current range switching, matched with high-performance 14-bit AD acquisition chip.
- Supports power-off data storage, capable of saving 200 groups of test records.

Technical specifications

Parameter	Value
Power Input	220V±10%
Frequency	50Hz±0.5Hz
Test Current Range	0~500A; expandable to 1000A
Current Ripple Factor	Less than 2%
Output Current Stability	≤0.5%
I-t Trip Test	Time recording: 0.9~9.9S Minimum time resolution: 0.1ms
Constant Current No-trip Test	Time recording: 0~9999S Minimum time resolution: 0.1S
Ambient Temperature	-20°C~50°C
Overall Dimension	560mm(L)×410mm(W)×350mm(H)
Weight	3kg

Standard scope of supply

No.	Item	Qty	Notes
HF-W C-631 DC Circuit Break er Tester Main Unit	1	1 Pc	
DC Test Cables & Cla mps	1	1 Set	

No.	Item	Qty	Notes
AC Power Cord	1	1 Pc	
Communication Cable (PC connection)	1	1 Pc	
Operation Manual (Chinese & English Version)	1	1 Copy	
Factory Calibration Certificate	1	1 Copy	
Export Foam & Carton	1	1 Set	

Compliance and documents

Applicable standards	[TO BE CONFIRMED] standard applied to this model
Calibration certificate	[TO BE CONFIRMED]
Optional accessories	[TO BE CONFIRMED]

Warranty and support

12-month warranty on every exported instrument. English operation manual and remote video guidance at commissioning. T/T, L/C at sight and deposit terms for bulk orders; sea, air or rail shipping.