

DC Circuit Breaker Test

General information about ADCB-DC500 DC Circuit Breaker Test Set:

Circuit Breakers are one of the critical “safety-valves” of electrical systems and basic maintenance procedures are essential to maintain maximum reliability.

This instrument is designed for testing DC circuit breakers at rated current of 1A-500A. It is suitable for on-site test of substations.

Features:

- ✓ The instrument can be used separately or linked to PC.
- ✓ 320*240 LCD screen, thermal printer, interactive keyboard operation, and intelligent operation system.
- ✓ Power electronics controlling technique has been adopted to output high current, which is high speed, high precision and continuous adjustability.
- ✓ Current range can be automatically switched by multiple high precision sensors. 14 digit AD acquisition chip of high capacity.
- ✓ Automatic data storage. Be capable of saving 200 testing results, which will not lose in power failure.
- ✓ Optional for ampere-second characteristic test or through current characteristic test.
- ✓ When linking to PC, it is available to do following operations, such as controlling the instrument, data importing, data saving, data report and data graph generation.
- ✓ Protection functions for overheat, over-current and over voltage. Anti-interference capacity and good EMC (electromagnetic compatibility).



Technical Specification of the device:

- Power supply: AC220V \pm 10%, 50Hz \pm 0.5Hz
- Testing current range: 0-500A (can be extended to 1000A)
- Testing current ripple coefficient: <2%
- Stability of output current: \leq 0.5%
- Ampere-second characteristic test: Time:0-9.9s; Time resolution(min.): 0.1ms
- Through current characteristic test: time:0-9999s; Time resolution(min.): 0.1s
- Environmental temperature: -20--50°C.
- Size: 560*410*350mm
- Weight: 31kg.

