

## TEST-905

### DC CIRCUIT BREAKER CURRENT INJECTION TEST EQUIPMENT

TEST-500D DC circuit breaker current injection test equipment adopts ARM Chip to control its output process and large capacity of toroidal transformers. It is equipped with LCD display; it can show DC primary current value, second voltage small signal measurement value, the action time of DC circuit breaker. Packing is used as aluminum alloy body with PC panel. TEST-500D is mainly applied to DC current sensor testing in the DC power system and contact resistance test which need large current. This model current injection test equipment is ideal for 1. performance and error tests of DC current sensors; 2. primary tests of DC protective relays; 3. large current tests on low-voltage and high-voltage DC circuit breakers; 4.commissioning tests that require variable DC currents.

### Application

1. Ground Grid Testing;
2. DC Switchgear Testing;
3. DC current sensor testing;
4. DC Circuit Breaker Testing;
5. DC Primary injection tests;
6. DC Protective Relay Testing;
7. Current Transformer Testing;



### Features

1. Portable designed;
2. Quick and easy to use;
3. Current resolution 0.1A;
4. With 3m large current cable;
5. Built-in digital timer resolution 1ms;
6. Built-in digital ammeter 0.5% accuracy;
7. Max current output up to 550A/1000A;
8. Small size, light weight, easy to test on-site;
9. Thermal and short-circuit & overload protection;
10. Measurement DC signal DC voltage 0-5V optional;
11. Permanent current up to 550A/1100 A, 3KVA/5KVA;

## Parameters

### Electrical parameters

Accuracy	±0.5%
Power Supply(AC)	220V±10%·25A, 50Hz/60Hz or 110V±10%·50A, 50Hz/60Hz
Current Output (AC)	1000A·5V or 500A·10V
Capacity	3KVA/5KVA
The current output waveform distortion	≤5%
Dual protection	overload electronic protection and software protection

### Primary current

Range	0-550A or 0-1100A
Resolution	0.1A
Accuracy	<0.5%

### Secondary voltage small signal measurement (Optional)

Range	0-5V
Resolution	0.001V
Accuracy	<0.5%

### Current duration

1000A range	1000A 2-3minutes 500A 3-6minutes
500A range	500A 2-3minutes
Continuous output	200A or 400A

### With timer

Range	0.0001~999.999S
Resolution	0.001S
Accuracy	<0.2% ±2 words

### Standard

Standard	IEC61010-1;IEC 61326-1
Communication port	RS232
Cable	length 2x3m, 70mm <sup>2</sup>

### Mechanical parameters

Dimensions (W×D×H) (mm)	430×260×260
Weight(kg)	25

### Environmental conditions

Operating Temperature	-10°C to 50°C
Storage Temperature	-40°C to 70°C
Relative humidity	≤95%, on-condensing