

## TEST-901

### 1000A PRIMARY CURRENT INJECTION TEST SET

TEST-901 primary current injection test set adopts ARM Chip to control its output process and large capacity of toroidal transformers. It is equipped with LCD display and current meter; it can show primary current value, second current value, turn ratio and the action time of circuit breaker. Packing is used as aluminum alloy body with PC panel. TEST-901 is mainly applied to CT turn ratio testing in the power system and contact resistance test which need large current. This model current injection test set is ideal for 1. performance and turn-ratio tests of current transformers; 2. primary tests of protective relays; 3. current tests on low-voltage and high-voltage circuit breakers; 4. commissioning tests that require variable currents

### Features

1. Portable designed;
2. Quick and easy to use;
3. With CT ratio test function;
4. With 6m large current cable;
5. Max current output up to 1100A;
6. Built-in digital timer resolution 1ms;
7. Permanent current up to 1000 A, 5KVA;
8. Built-in digital ammeter 0.5% accuracy;
9. Small size, light weight, easy to test on-site;
10. Thermal and short-circuit & overload protection;



### Application

1. Switchgear Testing;
2. Ground Grid Testing;
3. Circuit Breaker Testing;
4. Primary injection tests;
5. Protective Relay Testing;
6. Current Transformer Testing;
7. Recloser and Sectionalizers;

## 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	5KVA
The current output waveform distortion	≤5%
Dual protection	overload electronic protection and software protection

### Primary current

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

### Secondary measurement

Range	0-6A
Resolution	0.001A
Accuracy	<0.5%

### Current duration

1000A range	1000A 2-3minutes 500A 3-6minutes
500A range	500A 2-3minutes
Continuous output	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 2x6m, 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

### Selection guide

Model	Accuracy	Primary Current	Ammeter (0-6A)	Timer	Power	Injection Current time	Dimension (W×D×H) (mm)	Weight	Remark
TEST-901	0.5%	0-1100A	YES	YES	5KVA	1000A: 2-3min; 500A:3-6min	430×260×260	25KG	Integrated structure
TEST-902	0.5%	0-2200A	YES	YES	12KVA	2000A:2-3min; 1000A:3-6min	360×300×295 and 320×300×300	35KG+15KG	Fission structure
TEST-903	0.5%	0-3300A	YES	YES	15KVA	3000A: 2-3min; 1500A:3-6min	380×350×360 and 340×290×420	48KG+42KG	Fission structure
TEST-905	0.5%	0-5500A	YES	YES	30KVA	5000A:2-3min; 2500A:3-6min	430×430×445 and 550×450×600	68KG+55KG	Fission structure

### Accessories

