

## TEST-902

### 2000A PRIMARY CURRENT INJECTION TESTER FOR PROTECTION RELAY

TEST-902 2000A primary current injection tester adopts ARM chip to control the output process and large capacity of toroidal transformer. It is equipped with LCD screen display current meter, also showed primary current value, secondary current value, turn ratio and the action time. Aluminum alloy body with PC panel component the shell. TEST-902 primary current injection tester is mainly applied to test CT turn ratio and polarity in the power system, the contact resistance, protection relay, low voltage & high voltage circuit breaker protection test and high voltage generator test etc, which need large current on-site or in the lab.

### Application

1. Switchgear Testing;
2. Ground Grid Testing;
3. Circuit Breaker Testing;
4. Protective Relay Testing;
5. Recloser and Sectionalizers;
6. Current Transformer Testing;
7. 2000A Primary injection tests;



### Features

1. Quick and easy to use;
2. Portable designed;
3. With CT ratio test function;
4. With 6m large current cable;
5. Permanent current up to 2000 A, 12KVA;
6. Max current output up to 2200A;
7. Built-in digital ammeter 0.5% accuracy;
8. Built-in digital timer resolution 1 ms;
9. Made up of two units, control and power unit;
10. Thermal, short-circuit and overload protection;

### Parameters

Electrical parameters	
Accuracy	±0.5%
Power Supply (AC)	220V±10%·50A, 50Hz/60Hz or 110V±10%·100A, 50Hz/60Hz

## Parameters

Electrical parameters - continued	
Current Output (AC)	2000A-6V or 1000A-12V
Capacity	12KVA
The current output waveform distortion	≤5%
Primary current	
Range	0-2200A
Resolution	0.1A
Accuracy	<0.5%
Secondary measurement	
Range	0-6A
Resolution	0.001A
Accuracy	<0.5%
Current duration	
2000A range	2000A 2-3minutes 1000A 3-6minutes
1000A range	1000A 2-3minutes
Continuous output	800A
With timer	
Range	0.0001~999.999S
Resolution	0.001S
Accuracy	<0.2% ±5 words
Standard	
Standard	IEC61010-1;IEC 61326-1
Communication port	RS232
Cable	length 4x6m, 95mm <sup>2</sup>
Mechanical parameters	
Dimensions (W×D×H) (mm)	360×300×295 and 320×300×300
Weight (kg)	Control Host 35kg, External voltage regulator weight 15kg
Structure	Integrated or split optional
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

