

TEST-901

Primary Current Injection Test Set

TEST-901 primary current injection test set adopts 32bit 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, CT ratio and the action time of circuit breaker. Packing is used as aluminum alloy body with PC panel. TEST-901 test equipment 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 in the field.

Features

1. Accuracy class 0.5;
2. Portable designed;
3. Quick and easy to use;
4. With CT ratio test function;
5. With 6m large current cable;
6. Max current output up to 1100A;
7. Built-in digital timer resolution 1ms;
8. Built-in digital ammeter 0.5% accuracy;
9. Permanent current up to 1000 A, 5KVA;
10. Small size, light weight, easy to test on-site;
11. 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. Recloser and Sectionalizers
7. Current Transformer Testing

Selection guide

MODEL	ACCURACY	PRIMARY CURRENT	AMMETER (0-6A)	TIMER	POWER	INJECTION CURRENT TIME	DIMENSION (W×D×H) (mm)	WEIGHT	REMARK
TEST-200	0.5%	0-250A	YES	YES	2KVA	200A: 2-3min;100A:3-6min	340×270×250	22.5KG	Integrated structure
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	25KVA	5000A:2-3min;2500A:3-6min	430×430×445 and 550×450×600	68KG+55KG	Fission structure

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	0-400A
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 ²
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

Accessory

