

TEST-901

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. 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.



Applications

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

Features

1. Permanent current up to 1000 A, 5KVA
2. Max current output up to 1100A
3. Built-in digital ammeter 0.5% accuracy
4. Built-in digital timer resolution 1ms
5. Small size, light weight, easy to test on-site
6. Thermal and short-circuit protection

Parameters

Electrical parameters	
Accuracy	±0.5%
Accuracy	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%

Electrical parameters - continued	
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
With timer	
Range	0.0001~999.99S
Resolution	0.001S
Accuracy	<0.5% ±5 words
Mechanical parameters	
Dimensions (W×D×H) (mm)	430×260×260
Weight(kg)	25
Environmental conditions	
Temperature	-10°C to 40°C
Relative humidity	≤80%

Selection Guide

Model	Accuracy	Primary Current	Ammeter (0-6A)	Timer	Power	Injection Current time	Dimension (W×D×H) (mm)	WT	Remark
TEST-901	0.50%	0-1100A	YES	YES	5KVA	1000A: 2-3min; 500A:3-6min	430×260×260	25KG	Integrated structure
TEST-902	0.50%	0-2200A	YES	OPTIONAL	12KVA	2000A:2-3min; 1000A:3-6min	360×300×295 and 320×300×300	35KG+15KG	Fission structure
TEST-903	0.50%	0-3300A	YES	OPTIONAL	15KVA	3000A: 2-3min; 1500A:3-6min	380×350×360 and 340×290×420	48KG+42KG	Fission structure
TEST-905	0.50%	0-5500A	YES	OPTIONAL	25KVA	5000A:2-3min; 2500A:3-6min	430×430×445 and 550×450×600	68KG+55KG	Fission structure