

TEST-901D

000A PRIMARY CURRENT INJECTION TEST EQUIPMENT

TEST-901D is a primary current injection testing equipment designed to perform primary tests requested in substations commissioning. It allows to perform different tests for current transformers, protection relays, circuit breaker etc. it adopts ARM Chip to control its output process and large capacity of toroidal transformers. It is equipped with 7 inch color touch LCD display and high accuracy current meter; it can show primary current value, second current value, CT turn ratio and polarity, the action time of circuit breaker and action current, with USB port and printer. TEST-901D primary current injector is an excellent tool for testing substations, many electrical commission engineers select it in global market.

Features

1. Portable designed
2. With CT polarity test
3. With thermal printer
4. Auto test by program
5. Quick and easy to use
6. With CT ratio test function
7. 7 inch TFT color touch LCD
8. Small size, light weight 20kg
9. With 6m large current cable
10. Built-in digital timer resolution 1ms
11. Built-in digital ammeter 0.5% accuracy
12. Permanent current up to 1000 A, 5KVA
13. Secondary current measurement from 0 to 6A
14. Thermal and short-circuit & overload protection



Application

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

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	0-1000A
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	300A

With timer

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

With printer

Printer	Thermal printer
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LCD

LCD	7 inch TFT color touch
Resolution	800×480

Standard

Standard	IEC61010-1, IEC 61326-1, IEC60044-1, IEC60044-6, IEC61869-1,2,3, ANSI/IEEE C57.13
Safety standards	GB 4793.1-2007
EMC	EMC standard 89/336/EEC, FCC Subpart B of Part 15 Class A, IEC 1000-4-2 /3 /4 /6
Communication port	USB
Cable	Length 2x6m or 2x5m , 2x4m, 95mm ²

Mechanical parameters

Dimensions (W×D×H) (mm)	400 x 250 x 250
Weight(kg)	20

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-901D	0.5%	0-1000A	YES	YES	5KVA	1000A: 2-3min; 500A:3-6min	400×250×250	20KG	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

