

TEST-903

ELECTRICAL 3000A PRIMARY CURRENT INJECTION TEST EQUIPMENT

TEST-903 3000A primary current injection test equipment adopts 32bit ARM chip to control the output process and large capacity of toroidal transformer. It can output up to 3300A, timer from 0 to 999.999s, and equipped with LCD screen display current meter, also showed primary current value, secondary current value, current transformer turn ratio and circuit breaker of the action time. Aluminum alloy body with PC panel component the shell. TEST-903 primary injection test equipment 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.

Features

1. Portable designed;
2. Quick and easy to use;
3. With CT ratio test function;
4. With 6m large current cable;
5. Accuracy 0.5% from 0 to 3300A;
6. Max current output up to 3300A;
7. Secondary measurement range 0-6A;
8. Built-in digital timer, resolution 1 ms;
9. Built-in digital ammeter 0.5% accuracy;
10. Permanent current up to 3000 A, 15KVA;
11. Made up of two units, control and power unit;
12. Thermal, short-circuit and overload protection;



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;

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)	380V±10%·50A, 50Hz/60Hz
Current Output (AC)	3000A·5V or 1500A·10V
Capacity	15KVA
The current output waveform distortion	≤5%

Primary current

Range	0-3300A
Resolution	0.1A
Accuracy	<0.5%

Secondary measurement

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

Current duration

3000A range	3000A 2-3minutes 1500A 3-6minutes
1500A range	1500A 2-3minutes
Continuous output	0-1200A

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 6x6m, 95mm ²

Mechanical parameters

Dimensions (W×D×H) (mm)	380×350×360 and 340×290×420
Weight (kg)	Control Host 48kg, External voltage regulator weight 42kg

Environmental conditions

Operating Temperature	-10°C to 50°C
Storage Temperature	-40°C to 70°C
Relative humidity	≤95%, on-condensing