

TEST-903

Primary Current Injection Test Kit

TEST-903 primary current injection test kit 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 phase shift. Aluminum alloy body with PC panel component the shell. TEST-903 is mainly applied to test CT turn ratio and polarity in the power system, the contact resistance, high voltage circuit breaker protection test and high voltage generator test etc, which need large current on-site or in the lab.



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 3000 A, 15KVA
2. Max current output up to 3300A.
3. Built-in digital ammeter 0.5% accuracy.
4. Built-in digital timer resolution 1 ms (Optional).
5. Made up of two units, control and power unit
6. Thermal and short-circuit protection.

Parameters

Electrical parameters	
Accuracy	±0.5%
Power Supply (AC)	380V·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%

Electrical parameters-continued	
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
With timer(Optional)	
Range	0.0001~999.99S
Resolution	0.001S
Accuracy	<0.5% ±5 words
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	
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