

TEST-903

3000A ELECTRICAL PRIMARY CURRENT INJECTION TEST KIT

TEST-903 3000A 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 action time. Aluminum alloy body with PC panel component the shell. TEST-903 primary current injection test kit 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.

Application

- 1. Switchgear Testing;
- 2. Ground Grid Testing;
- 3. Circuit Breaker Testing;
- 4. Protective Relay Testing;
- 5. Temperature rise testing;
- 6. Recloser and Sectionalizers;
- 7. Current Transformer Testing;
- 8. 3000A Primary injection tests;

Features

- 1. Portable designed
- 3. With CT ratio test function
- 5. Max current output up to 3300A
- 7. Built-in digital ammeter 0.5% accuracy
- 9. Made up of two units, control and power unit



- 2. Quick and easy to use
- 4. With 6m large current cable
- 6. Permanent current up to 3000 A, 15KVA
- 8. Built-in digital timer, resolution 1 ms
- 10. Thermal, short-circuit and overload protection

Features

Electrical parameters					
Accuracy	±0.5%				
Power Supply (AC)	380V±10%·50A, 50Hz/60Hz				
Current Output (AC)	3000A·5V or 1500A·10V				



Parameters

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 a-6minutes 1500A a-6minutes 1500A range 1500A 2-3minutes Continuous output 1200A With timer Range 0.0001~999.9995 Resolution 0.001S Accuracy <0.2% ±5 words Standard Standard IEC61010-1;IEC 61326-1 Communication port RS232 Cable length 6x6m, 95mm² 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 -10°C to 50°C Storage Temperature <	Electrical parameters				
Primary current Range 0-3300A Resolution 0.1A Accuracy <0.5%	Capacity	15KVA			
Range 0-3300A Resolution 0.1A Accuracy <	The current output waveform distortion	≤5%			
Resolution 0.1A	Primary current				
Accuracy \$\frac{9.5\%}{\text{Secondary measurement}}\$ Range 0-6A Resolution 0.001A Accuracy \$\frac{0.5\%}{\text{Current}}\$ Current duration 3000A 2-3minutes 1500A 3-6minutes 1500A 2-3minutes 1500A 2-3minutes 1500A 2-3minutes 1500A 2-3minutes 0.001\simple \	Range	0-3300A			
Secondary measurement Range 0-6A Resolution 0.001A Accuracy <0.5% Current duration 3000A range 3000A 2-3minutes 1500A 3-6minutes 1500A 2-3minutes 1500A 2-3minutes 1500A 2-3minutes 1500A 2-3minutes Continuous output 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, 95mm² 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	Resolution	0.1A			
Range 0-6A Resolution 0.001A Accuracy <0.5% Current duration 3000A range 3000A 2-3minutes 1500A 3-6minutes 1500A 3-6minutes 1500A 2-3minutes Continuous output 1200A With timer Range 0.0001~999.9995 Resolution 0.001S Accuracy <0.2% ±5 words Standard Standard IEC61010-1;IEC 61326-1 Communication port RS232 Cable length 6x6m, 95mm² 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	Accuracy	<0.5%			
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With timer Range	1500A range	1500A 2-3minutes			
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Accuracy < 0.2% ±5 words Standard Standard	Range	0.0001~999.999S			
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Cable length 6x6m, 95mm²	Standard	IEC61010-1;IEC 61326-1			
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Environmental conditions Operating Temperature -10°C to 50°C -40°C to 70°C	Weight (kg)	Control Host 48kg,			
Operating Temperature -10°C to 50°C -40°C to 70°C		External voltage regulator weight 42kg			
Storage Temperature -40°C to 70°C	Environmental conditions				
- ·	Operating Temperature	-10°C to 50°C			
Relative humidity ≤95%, on-condensing	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-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