

TEST-200

200A Portable Primary Current Injection Test Kit

TEST-200 200A primary current injection test kit adopts ARM Chip to control its output process and large capacity of toroidal transformers. It is equipped with current meter; it can show primary current value, second current value, the action time and voltage value. Packing is used as aluminum alloy body with PC panel. LCD screen display single-phase protective relay test device of voltage and current output stopwatch; a full isolation, adjustable AC and DC voltage, AC direct current; an adjustable DC voltage and an adjustable AC voltage; output circuit with double overload protection, high output capacity, small size, light weight, high reliability. Primary Injection Kit Compact Model TEST-200 is designed to operate on single phase 230/240 Volts AC 50/60 Hz. to develop smooth & continuous test current. The test set gives high current output at low cost and with inherent safety at minimum precaution. TEST-200 is mainly applied to Circuit Breaker testing in the power system, contact resistance test and relay test.



APPLICATIONS

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

Features

1. Permanent current up to 200 A, 2KVA
2. Max current output up to 250A
3. Built-in digital ammeter 0.2% accuracy
4. Built-in digital timer resolution 1ms
5. Small size, light weight, easy to test on-site
6. Thermal and short-circuit protection

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Parameters

Electrical parameters	
Accuracy	±0.5%
Power Supply(AC)	220V±10%·2000VA, 50Hz/60Hz or 110V±10%·2000VA, 50Hz/60Hz
Current Output (AC)	200A·5V or 100A·10V
Capacity	2KVA
The current output waveform distortion	≤5%
Dual protection	overload electronic protection and software protection
Primary current	
Range	0-250A
Resolution	0.1A
Accuracy	<0.5% RG
AC Voltage Output	
Range	0-250V AC
Resolution	0.1V
Accuracy	<0.2% RG
DC Voltage Output	
Range	0-300V DC
Resolution	0.1V
Accuracy	<0.5% RG
Current Output duration	
200A range	200A 1-2minutes 100A 3-6minutes 50A Continuous
10A range	10A Continuous
Stopwatch	
Range	0.0000-99999S
Resolution	0.1mS
Accuracy	±5 words
Max input voltage (With contact and potential input)	DC 250V
Ammeter	
Range	Inside 0.000-250.0A Outside 0.000-6.000A(AC or DC)
Accuracy	<0.2%

Electrical parameters - continued

Voltmeter	
Range	0.0-600.0V(AC or DC)
Accuracy	<0.2%
Measuring mode	AC True RMS
Resistor	DC Average value
Resistance	0.5Ω-2.5kΩ

Mechanical parameters

Dimensions (W×D×H) (mm)	340×270×260
Weight(kg)	18

Environmental conditions

Temperature	-10°C to 40°C
Relative humidity	≤80%

Selection guide

MODEL	ACCURACY	PRIMARY CURRENNT	AMMETER (0-6A)	TIMER	POWER	INJECTION CURRENT TIME	DIMENSION (W×D×H) (mm)	WEIGHT	REMARK
TEST-200	0.50%	0-200A	YES	YES	2KVA	200A: 2-3min; 100A:3-6min	340×270×260	16.8KG	Integrated structure
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

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