

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.

Features

1. AC Voltage output up to 250V;
2. DC Voltage output up to 300V;
3. Max current output up to 250A;
4. Built-in digital timer resolution 1ms;
5. Thermal and short-circuit protection;
6. Permanent current up to 200 A, 2KVA;
7. Built-in digital ammeter 0.2% accuracy;
8. Small size, light weight, easy to test on-site;
9. Suite for all kinds of overcurrent relay testing;
10. With high precision 0.0000-99999S Stopwatch;
11. Current injection continuous output from 0-50A;
12. Have one channel DC Auxiliary Output from 0 to 220V;



Applications

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

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%
Voltmeter	
Range	0.0-600.0V(AC or DC)
Accuracy	<0.2%
Measuring mode	AC True RMS DC Average value

Electrical parameters - continued
Auxiliary Contacts

Binary input/output one, AC250V*1A or DC120V*1A

DC Auxiliary Output

Range 0-110V DC, max 0.5A; 110-220V DC, max 0.5A

Interface

Serial interface RS232

LCD 320*240 Greenlight LCD display

Resistor

Resistance 0.5Ω-2.5kΩ

Capacitor 10 μF, max voltage 450 V AC

Standard 2006/95/EC, EMC 2004/108/EC, IEC61000, IEC61010, IEC 61326

Mechanical parameters

Dimensions (W×D×H) (mm) 340×270×250

Weight(kg) 22.5

Environmental conditions

Operation temperature -10°C to 50°C

Storage temperature -40°C to 70°C

Humidity range Relative humidity 5 ... 95 %, non-condensing

Selection guide

MODEL	ACCURACY	PRIMARY CURRETNT	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	340×270×250	22.5KG	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	30KVA	5000A:2-3min; 2500A:3-6min	430×430×445 and 550×450×600	68KG+55KG	Fission structure