

TEST-330

Relay & Protection Microcomputer Test System

It is an integrated system for testing and calibration of protection and control relays. It is five phase voltage output, three phase current output. Has DC and AC output. Max current output is 90A.



Features

1. Embedded host machine equipped with Complex Programmable Logic Device (CPLD)
2. Eight-path synchronous D/A output in a single machine
3. High-accuracy linear power amplifier
4. Host machine integrated single cabinet structure with big LCD screen and complete interface has obtained appearance patent
5. Intelligent self-protection function
6. Plentiful Binary and powerful software function
7. Easily complete the ABB, Siemens, AREVA, Schneider, GE, SEL, VAMP, Toshiba, NR, Sifang and other foreign manufacturers of protective device test
8. Synchronous output of five-phase voltage and three-phase current, Max AC current output is 90A, Max AC voltage output is 260V

Test item

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|--------------------------------|------------------------------|-----------------------------|
| I. U/I test | IX. Differential protection | XVI. Oscillation test |
| II. DC test | X. Distance protection | XVII. Metering instrument |
| III. Impedance characteristics | XI. Zero sequence protection | XVIII. Hardware checkout |
| IV. Power direction test | XII. Setting group test | XIX. Low Voltage protection |
| V. I-T test | XIII. State sequence | XX. Fault Recurrence |
| VII. Differential relay | XIV. Synchronization test | |
| VIII. Harmonic test | XV. Special test | |

Parameters

Electrical parameters	
Power voltage	AC220V±10% or AC110V±10%, 50/60Hz±10%
Time measurement	0.1ms-999999.999s
AC current output	
Phase current output (effective value)	3 x 0-30A

Electrical parameters - continued
AC current output

Phase current output (effective value)	3 x 0-30A
Maximum power output	260VA/phase
Maximum parallel current output (effective value)	0-90A
Long-term allowable working value of phase current (effective value)	>10A
Allowable working time of maximum current	>11s
Accuracy class	<±0.2%

AC voltage output

Phase voltage output (effective value)	5 x 0-130V
Line voltage output (effective value)	0-260V
Maximum power output	70VA/phase
Accuracy class	<±0.2%

DC current output

Output range	-10 to 10A or 3 x 0 to ±10A
Maximum power output	200VA
Accuracy class	<±0.2%

DC voltage output

Output range	0-300V or 5 x 0 to ±130V
Maximum output power	130VA
Accuracy class	<±0.2%

Binary input

Idle contact	1-20mA, 24V (DC)
Electric potential contact	250V/0.5A (DC)

Binary output

Idle contact	250V/0.5A (DC)
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Rated output

Frequency error	<±0.01Hz
Phase error	<±0.2°
Waveform distortion	<±0.3% (fundamental wave)
Time error	<40μs
Output frequency	0-1050Hz
Superposed harmonic wave	0-21times

Mechanical parameters

Dimensions (L×W×H) (mm)	360x195x375
Weight (kg)	16.6

Environmental conditions

Use range	0°C to 45°C
Storage range	-25°C to 70°C