

TEST-330B

Three phase secondary current injection test set

The Test-330B three phase secondary current injection test set is the first choice for applications requiring very high accuracy more than 0.1%. This unit is not only an excellent test set for protection devices of all kinds but also a universal calibrator. It can as a ac or dc current source and voltage.



Overview

1. 3 phase current output
2. 5 phase voltage output
3. 8 binary input, 4 binary output
4. Accuracy more than 0.1%

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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|------------------------------|------------------------------|----------------------------|
| 1. U/I test | 7. Harmonic test | 13. Synchronization test |
| 2. DC test | 8. Differential protection | 14. Special test |
| 3. Impedance characteristics | 9. Distance protection | 15. Oscillation test |
| 4. Power direction test | 10. Zero sequence protection | 16. Metering instrument |
| 5. I-T test | 11. Setting group test | 17. Hardware checkout |
| 6. Differential relay | 12. State sequence | 18. Low Voltage protection |
| | | 19. Fault Waveform |

Parameters

Electrical parameters	
Power voltage	AC220V $\pm$ 10% or AC110V $\pm$ 10%, 50/60Hz $\pm$ 10%
Time measurement	0.1ms-999999.999s
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	< $\pm$ 0.1%
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	< $\pm$ 0.1%
DC current output	
Output range	-10 to 10A or 3 x 0 to $\pm$ 10A
Maximum power output	200VA
Accuracy class	< $\pm$ 0.1%
DC voltage output	
Output range	0-300V or 5 x 0 to $\pm$ 130V
Maximum output power	130VA
Accuracy class	< $\pm$ 0.1%
Binary input	
Idle contact	1-20mA, 24V (DC)
Electric potential contact	250V/0.5A (DC)
Binary output	
Idle contact	250V/0.5A (DC)
Rated output	
Frequency error	< $\pm$ 0.01Hz
Phase error	< $\pm$ 0.1°
Waveform distortion	< $\pm$ 0.3% (fundamental wave)
Time error	<40 μ s
Output frequency	0-1050Hz
Superposed harmonic wave	0-21times

Mechanical parameters

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

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