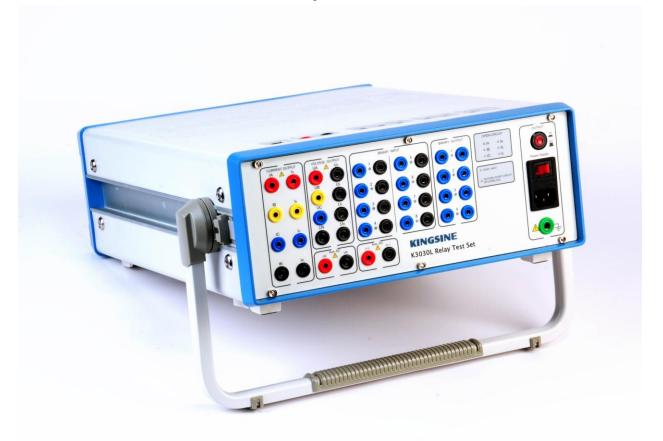
KINGSINE K3030L Protection Relay Test Set



K30 series relay tester is extremely design for overseas user, with Friendly PC software as your need, unique features and functions helps you all the way!

- 1. Unique self-protection system assure the powerful protection when instrument is operating, automatic stop the output when the network is abnormal;
- 2. Unique power switch and amplifier technology, so the output precision and power efficiency and factor are increased, which conforms to international tendency of energy save and environmental protection;
- 3. With alarm function of housing grounding testing and external voltage input, to guaranty personal security;
- 4. Two in one of meter and source, with function of both internal and external testing, self-calibration, oscillograph, and the duration of each oscillograph reaches 50S (optional function);
- 5. Offer independent Aux. DC to tested devices, 0 ~ 300V/0.6A (Poleless and adjustable);
- 6. Function of transducer and energy meter testing (optional function);

7. Testing interface offer unique output monitoring function and Pre-curve-tracing function, helps more on the spot analysis.

Technical Data of K3030L

Voltage gene	erators		
Setting	4-phase AC (L-N)	4 x 0 130 V	
Range	2-phase AC (L-L)	2 x 0 260 V	
Power	4-phase AC (L-N)	4 x 70VA, at 0 130 V	
	2-phase AC (L-L)	2 x 110VA, at 0260 V	
Accuracy		<0.07% reading + 0.03% range guaranteed at 0 130 V <0.02% reading + 0.01% range typical at 0-130V	
Resolution		1mV	
Current gene	erators		
	3-phase AC (L-N)	3 x 0 30 A	
Setting Range	1-phase AC (2L-N)	1 x 0 60 A	
Range	1-phase AC (3L-N)	1 x 0 90 A	
	3-phase AC (L-N)	3x 450VA, at 0 30A	
Power	1-phase AC (2L-N)	1x 600VA, at 0 60A	
	1-phase AC (3L-N)	1 x 1500 VA, at 0 90A (Max.)	
Accuracy		<0.07% reading + 0.06% range guaranteed at 0-30A <0.02% reading + 0.02% range typical at 0-30A	
Resolution		1mA	
Generators,	general		
	Range	0 1000 Hz	
Frequency	Accuracy / drift	Error < 0.001Hz at 10 65Hz, Error < 0.01Hz at 65Hz450Hz Error < 0.02Hz at 450Hz1000Hz	
	Resolution	0.001Hz	
	Range	- 360° +360°	
Phase	Accuracy / drift	Error < 0.2 °	
	Resolution	0.1°	
Timer	Range	Infinite	
	Accuracy / drift	Error<0.1ms	
DC generato	rs		
Voltage ranges		0 300V/110W	

Current ranges	0 20A/300W		
Accuracy	<0.07% reading + 0.03% range guaranteed at 0-300V <0.04% reading + 0.02% range typical at 0-300V		
Accuracy	<0.14% reading + 0.06% range guaranteed at 0-20A <0.05% reading + 0.02% range typical at 0-20A		
Resolution	1mA; 1 mV		
Aux DC Supply			
Range	0300V/110W		
Binary inputs			
Number	8 pairs		
Compatible Voltage	10V 250V DC		
Binary outputs			
Number	4 Pairs		
Capacity	250V/3A AC/DC		
Synchronization			
Synchronization mode	GPS		
Harmonic			
Harmonic overlap times	2 20 times		
Power supply			
Nominal input voltage	85V264V ac		
Power	2000VA		
Nominal frequency	47Hz65Hz		
Environmental conditions			
Operation temperature	ature -5°C 55 °C		
Storage temperature	-20°C 75 °C		
Humidity range	5% 90 %, non-condensing		
Weight	17.5 KG		
imensions 480(D)×140 (W)×360 (H) mm			
PC connection	RJ45		

K30 Series Protection Relay Test Set:

Model	Channels	AC Outputs
K3063i / K3063Li	10 output channels	6*30A/3*40A/4*300V
K3030i / K3030Li	7 output channels	3*30A/4*300V
K3066	13 output channels	6*20A/3*40A/7*130V
K3063	10 output channels	6*20A/3*40A/4*130V

K3040	7 output channels	3*40A/4*130V
K3030	7 output channels	3*30A/4*130V

Major functions:

Items	IEEE(R) No.
Synchronization relay	
Fault transplay	
GPS Synchronization	
Overcurrent relays	50/76
Inverse time overcurrent relays	51
Undercurrent relays	37
Ground fault relays	50
Directional overcurrent relays	67
Directional ground fault relays	67N
Overvoltage relays	59
Undervoltage relays	27
Directional voltage relays	91
Directional power relays	32
Power factor relays	55
Differential protection (differential circuits)	87
Distance protection equipment (phase by phase)	21
Negative sequence overcurrent relays	46N
Motor overload protection	51/86
Automatic reclosing devices	79
Tripping relays	94
Voltage regulating relays	
Overimpedance relays, Z>	
Underimpedance relays, Z	
Time-delay relays	