

KINGSINE K1030i Protection Relay Test Set



With microprocessor & LCD screen, no matter you are doing in-house or field testing, Laptop is unnecessary. Besides, the powerful & complete software helps you more easy!

1. Adopts 6.4 large LCD screen, and provided with VGA video interface, making it available to connect to projector for training;
2. With alarm function of housing grounding testing and external voltage input, to guaranty personal security;
3. Offer independent Aux. DC to tested devices, $0 \sim 300V/0.6A$ (Poleless and adjustable);
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. Function of transducer and energy meter testing (optional function);
6. Adopt Smart and stable Window CE embedded system. Windows has the advantage of small application program with fast speed, which overcomes the problem of bad stability, easy-damage hardware, and virus of Windows 98/2000/XP;

7. Use high-speed CF card as the storage, more stable, anti-shock compared with ordinary hardware, so works more reliable.

Main specifications:

Voltage generators		
Setting Range	4-phase AC (L-N)	4 x 0 ... 300 V
	2-phase AC (L-L)	2 x 0 ... 600 V
Power	4-phase AC (L-N)	4 x 110VA, at 0 ... 300 V
	2-phase AC (L-L)	2 x 220VA, at 0 ... 600 V
Accuracy		<0.07% reading + 0.03% range guaranteed at 0-300V <0.04% reading + 0.01% range typical at 0-300V
Resolution		1mV
Current generators		
Setting Range	3-phase AC (L-N)	3 x 0 ... 30 A
	1-phase AC (2L - N)	1 x 0 ... 60 A
	1-phase AC (3L - N)	1 x 0 ... 90 A
Power	3-phase AC (L-N)	3 x 150 VA, at 0 ... 30A Max 250VA, with the other current channels unload
	1-phase AC (2L - N)	1 x 300VA, at 0 ... 60A Max 450VA, with the other current channels unload
	1-phase AC (3L - N)	1 x 900 VA
Accuracy		<0.14% reading + 0.06% range guaranteed at 0-40A <0.05% reading + 0.02% range typical at 0-40A
Resolution		1mA
Generators, general		
Frequency	Range	0 ... 1000 Hz
	Accuracy / drift	Error < 0.001Hz at 10 ... 65Hz, Error < 0.01Hz at 65Hz...450Hz Error < 0.02Hz at 450Hz...1000Hz
	Resolution	0.001Hz
Phase	Range	- 360° ... +360°
	Accuracy / drift	Error < 0.2 °
	Resolution	0.1°

Time	Range	0 ... 999, 999.999s
	Accuracy / drift	Error<0.1ms
	Resolution	1ms
DC generators		
Voltage ranges	0 ... 300V/180VA	
Current ranges	0 ... 20A/300W	
Accuracy	Error<0.1% reading + 0.1% range guaranteed at 0...300 V; Error <0.1% reading + 0.1% range guaranteed at 0...20 A;	
Resolution	1mA; 1 mV	
Harmonic		
Harmonic superpose times	2 ... 20	
Aux DC Supply		
Range	0... 300V /0.6A	
Binary Inputs		
Number	8 pairs	
Compatible Voltage	10V ... 250V DC	
Binary outputs		
Number	4 Pairs	
Capacity	250V/3A AC/DC	
Synchronization		
Synchronization mode	GPS	
Power supply		
Nominal input voltage	220V±10% VAC, 1-phase	
Power	1000VA	
Nominal frequency	50±10% Hz	
Environmental conditions		
Operation temperature	-5°C ...55 °C	
Storage temperature	-20°C ... 75 °C	
Humidity range	5 ... 90 %, non-condensing	
Weight	20KG	
Dimensions	460(D)×140 (W)×360 (H) mm	
Interface	RJ45 , USB, RS232, PS/2, VGA	
PC Connection	RJ45	

K10 Series Protection Relay Test Set:

Model	Channels	AC Outputs
K1063i	10 output channels	6*30A/3*60A/4*300V
K1066i	13 output channels	6*30A/3*60A/7*300V
K1066	13 output channels	6*20A/3*40A/7*130V
K1066+	13 output channels,	6*30A/3*60A/7*130V
K1063	10 output channels	6*20A/3*40A/4*130V
K1036	10 output channels	3*40A/7*130V
K1040	7 output channels	3*40A/4*130V
K1030	7 output channels	3*30A/4*130V