

## KINGSINE K5063s Protection Relay Test Set 0 ... 1000 Hz



K50 series relay tester with latest technology, extremely design for your now and future use, with power PC software, unique features and functions helps you stand ahead of your competitors!

1. Adopts 10.4 large LCD screen, and provided with VGA video interface, making it available to connect to projector for training;
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. Offer independent Aux. DC to tested devices, 0 ~ 300V/0.6A(Poleless and adjustable);
5. 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);
6. Function of transducer and energy meter testing (optional function);
7. 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;

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

### Technical Data of K5063s

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)	1 x 110VA, 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	6-phase AC (L-N)	6 x 0 ... 15 A
	3-phase AC (2L-N)	3 x 0 ... 30 A
	1-phase AC (3L-N)	1 x 0 ... 90 A
Power	6-phase AC (L-N)	1x 300VA , at ....15A
	3-phase AC (2L-N)	3x 450VA, at ....30A
	1-phase AC (3L-N)	1 x 1500 VA, at ...90A(Max)
Accuracy		<0.07% reading + 0.03% range guaranteed at 0-15A <0.02% reading + 0.01% range typical at 0-15A
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	< 0.2 °
	Resolution	0.1°
Timer	Range	Infinite
	Accuracy / drift	1ms
DC generators		
Voltage ranges		0 ... 300V/110W
Current ranges		0 ... 20A/200W
Accuracy		<0.1% reading + 0.1% range guaranteed at 0....300V;

	<0.1% reading + 0.1% range guaranteed at 0...20A
Resolution	1mA; 1 mV
Aux DC Supply	
Range	0...300V/110W
Binary inputs	
Number	4 pairs
Compatible Voltage	0V ... 250V
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	85V...264V AC
Power	1200VA
Nominal frequency	47Hz....65Hz
Environmental conditions	
Operation temperature	-5°C ... 55 °C
Storage temperature	-20°C ... 75°C
Humidity range	5% ... 95 %, non-condensing
Weight	17.5KG
Dimensions	480(D)×190 (W)×360 (H) mm
Interface	RJ 45, USB
Display	10.4 inches TFT true color LCD

### 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	