

## • Technical parameters

AC current source	
Range & Power	6x20A @ 90VA max each; 3x40A @ 180VA max each;
Accuracy	>0.02%Rd+0.01%Rg
Distortion	<0.025%
Resolution	1mA
AC voltage source	
Range & Power	6x130V @ 65VA max each
Accuracy	>0.015%Rd+0.005%Rg
Distortion	<0.025%
Resolution	1mV
Frequency & Phase	
Frequency Range	0~3000Hz
Frequency Error	±0.5ppm
Frequency Resolution	0.001 Hz
Phase Range	-360° ~ +360°
Phase Error	0.02° Typical
Phase Resolution	0.001°
Binary Input	
Port Quantity	8 pairs isolated, 0V-300Vdc or dry contact
Binary Output	
Port Quantity	4 pairs isolated, fast speed transistor output
Capacity	Vmax:250V(ac or dc)/Imax:0.5A
Synchronize	
Type	GPS, IRIG-B(modulated or fiber converter), External trigger
Size and weight	
Specs	390x256x140mm, <10kg, 9.7-inch touch screen
Power Supply	
Allowable voltage	90V-264V(AC); 127V-350V(DC), 45-55Hz

## • Optional functions

Fiber port for IEC61850 SV & GOOSE	
Type	100Base-FX(100Mbit, full duplex),LC type
Port Quantity	8 pairs

# KINGSINE

KINGSINE ELECTRIC AUTOMATION CO., LTD.

ADD: 6/F, Block 4-CD, TianAn Cyber Park, Shenzhen 518048, China

Tel: +86-755-8341 8941

Fax: +86-755-8835 2611

Email: international@kingsine.com.cn

URL: www.kingsine.com.cn

视频影像设计印刷: 0755-27912188 13922803048(千年红)

# KINGSINE

## KF86

### Intelligent Relay Test Set



KINGSINE ELECTRIC AUTOMATION CO., LTD.



- 6x130V voltage, 6x20A current outputs
- Able to test IEC61850 complying IEDs, merge unit, numerical and electromagnetic relays
- Variable battery simulator, DC 0-300Vdc
- Quick relay testing facility in Auto/Manual mode
- Graphical test modules and templates for testing of various relays
- Shot/Search/Check, point & Click testing
- RIO/XRIO import & export facility
- Switch on to fault test (SOTF)
- Inbuilt GPS and IRIG-B sync end-to-end testing
- Online vector display
- Automatic test results assume
- Automatic test report creation
- Testing results playback scenarios
- Self-protection for wrong wiring connection, overload, overheat, etc.

9.7-inch true color LCD, touch screen with simple keyboard



# KF86

## A portable 10kg Universal Relay Test Kit

Testing IEC61850 complying IEDs, Merge unit, numerical / electromagnetic relays in a single package

8 optic fiber ports complying IEC61850 SV & GOOSE

6x130V voltage, 65VA each  
6x20A current, 90VA each  
3x40A current, 180VA each



8 pairs isolated binary inputs, 0~300Vdc or dry contact, programmable threshold turn over

Synchronize with GPS, External trigger, IRIG-B (Modulated or fiber optic converter)



4 pairs fast speed binary outputs, 250V/0.5A max

1 RJ45 ethernet port  
2 USB type-B  
1 RS232 serial port