

## KINGSINE KS901 RTU-Tester



### KS9 serial

- Built-in high precision AC/DC/Harmonic standard source output;
- User-friendly interface comes by the use of Windows CE operating system kernel;
- Functions available such as calibration of AC sampling, transducer, and energy meter; auto-compute on the calibration error and follow-up report creating; report template can be defined by the users;
- Mouse and keyboard built in panel or external connection available;
- USB port convenient for data transmissio;
- Can be used as a standard meter to monitor the information of electric quantity of AC transmission line (available in KS905, KS906);
- Workable without PC, and provides RS232 and RJ45 to support PC communications. And the communication protocol is open to the users to make auto testing solution if necessary;
- Can be run offline, while providing network RJ45 port and RS232 port and PC communication, communication protocol and opening up to the user and user-friendly program to test automatically;

- Compact size and portable carrying, convenient for on-site operation.

## Technical Data of KS901

Voltage (AC) Output/Measure	
Shift	10V/30V/100V/300V/750V Auto switch
Adjusting range	0 ... 120%
Min Adjusting Unit	Shift x 0.01%
Resolution	Shift x 0.01%
Accuracy	0.05%RG (RG abbr. range)
Stability	0.01%/1min
Current (AC) Output/Measure	
Shift	100mA/1A/5A/10A/25A Auto switch
Adjusting range	0 ... 120%
Min Adjusting Unit	Shift x 0.01%
Resolution	Shift x 0.01%
Accuracy	0.05%RG
Stability	0.01%/1min
Power Output/Measure	
Min Adjusting Unit	Shift x 0.01%
Resolution	Shift x 0.01%
Accuracy	0.1%RD (PF>0.5)
Stability	0.01%/1min
Frequency Output/Measure	
Range	45.000...65.000Hz
Min Adjusting Unit	0.001Hz
Accuracy	0.01%RD
Phase Output/Measure	
Range	0.00° ... 359.99°
Min Adjusting Unit	0.01°
Resolution	0.01°
Accuracy	0.05°
Power factor Output/Measure	
Output range	-1 ... 0 ... +1
Min Adjusting Unit	0.0001
Accuracy	0.0005

Harmonic Output/Measure	
Set range	2 ... 31 times
Content	Voltage, Currents≤30%( compared with Fundamental Wave)
Harmonic output accuracy	0.1%(2 ... 19 times, compared with Fundamental Wave)
Resolution	0.2%(20 ... 31 times, compared with Fundamental Wave)
Harmonic Phase	0.00° ... 359.99°
Output Voltage and Current distortion	
<0.2%(non capacitance load)	
Max AC Output Load	
Voltage 25VA, Current 25VA	
Voltage (DC) Output/Measure	
Shift	100mV/1V/10V/30V/100V/300V/750V
Adjusting range	0 ... 120%, 0 ... 110% at shift 750V
Min Adjusting Unit	Shift x 0.01%
Resolution	Shift x 0.01%
Accuracy	0.05%RG
Stability	0.01%/1min
Current (DC) Output/Measure	
Shift	1mA/10mA/100mA/1A/5A/10A/25A
Adjusting range	0 ... 120%
Min Adjusting Unit	Shift x 0.01%
Resolution	Shift x 0.01%
Accuracy	0.05%RG
Stability	0.01%/1min
Max DC Output Load	
Voltage 20VA, Current 25VA	
DC measure	
Voltage measure range	±10V
Current measure range	±20mA
Accuracy	0.01%RG
Index measure reference condition	
Work temperature	0°C ... 40°C
Humidity range	≤85 %
Work power supply range	220VAC±15%, 50Hz
Weight	18KG

Dimensions	450(D)×180 (W)×380 (H) mm
Interface	RJ45, USB, PS/2, RS232

**Major functions:**

	KS901	KS907	KS908
AC Standard Sources	●	●	●
DC Standard Sources	●	●	●
Power Standard Sources	●	●	●
Harmonic Standard Sources	●	●	●
Indicator Test	●	○	●
Transmitter Test	●	●	●
Energy Meter Test	●	●	●
Rtu Test	●	●	●
Standard Meter	○	○	●
Synchronization test		●	●
Tele-control, tele-communication		●	●