

## KS9 Series AC Sampling Calibrator



### Features

- 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

<b>Voltage (AC) Output/Measure</b>	
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
<b>Current (AC) Output/Measure</b>	
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
<b>Power Output/Measure</b>	
Min Adjusting Unit	Shift x 0.01%
Resolution	Shift x 0.01%
Accuracy	0.05%RG (F>0.5)
Stability	0.01%/1min
<b>Frequency Output/Measure</b>	
Range	45.000...65.000Hz
Min Adjusting Unit	0.001Hz
Accuracy	0.01%RD
<b>Phase Output/Measure</b>	
Range	0.00° ... 359.99°
Min Adjusting Unit	0.01°
Resolution	0.01°
Accuracy	0.05°
<b>Power factor Output/Measure</b>	
Output range	-1 ... 0 ... +1
Min Adjusting Unit	0.0001
Accuracy	0.0005
<b>Harmonic Output/Measure</b>	
Set range	2 ... 31 times
Content	Voltage, Current≤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°
<b>Output Voltage and Current distortion</b>	
<0.2%(non capacitance load)	
<b>Max AC Output Load</b>	
Voltage 25VA, Current 25VA	
<b>Voltage (DC) Output/Measure</b>	
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
<b>Current (DC) Output/Measure</b>	
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
<b>Max DC Output Load</b>	
Voltage 20VA, Current 25VA	
<b>DC measure</b>	
Voltage measure range	±10V/±5V/±1V
Current measure range	±20mA/±10mA/±1mA
Accuracy	0.01%RG
<b>Index measure reference condition</b>	
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	KS902	KS903	KS904	KS905	KS906
AC Standard Sources						
DC Standard Sources						
Power Standard Sources						
Harmonic Standard Sources						
Indicator Test						
Transmitter Test						
Energy Meter Test						
Rtu Test						
Standard Meter						

: With the corresponding function modules

: Without the corresponding function modules

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