

## KINGSINE KS823 Standard Power & Calibrator



Large LCD display, English pop-up menus in operations!

### Features &Function

1. Capable of calibrating all kinds of indicating instruments such as DC meters, AC meters, phase meters, frequency meters, power meters, power factor meters, multimeters, energy meters and electric measurement transducers, etc. Automatic calibration mode and manual calibration mode are built-in of KS833.
2. These built-ins are high precision standard sources that respectively relate to voltage, current, phase, power factor and harmonic. Capable of outputting standard voltage, current, phase, active power, cross-phase reactive power and true reactice power, make use of software to realize closed loop control on all outputs guaranteeing its low drift and its annual stability. Current generator provides the function of open-circuit protection and open-circuit alert in itself. While voltage generator possesses the function of short-circuit protection.
3. Can freely output 2-31 times harmonics, including: Standard output at Grade 0.1 for 2nd-19th harmonics, and satandard output of Grade 0.2 for 20th-31st harmonics.
4. Large LCD display, all English pop-up menus for these operations:①rotary encoder operation ② slight-touch keyboard operation ③operation under PC Windows System.
5. Built-in RS232 port, allows software upgrade without opening up the external box of the equipment; and calibrated data can be uploaded into PC computer at users' convenience.

6. The shock and impact resistance external box is made of high intensity aluminum alloy. Inside are reliable high-power heating radiator units, and the equipment is durable to use.

### Technical Data of KS823

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
Voltage (DC) Output/Measure	
Shift	100mV/1V/10V/30V/100V/300V/750V
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
Current (DC) Output/Measure	
Shift	1mA/10mA/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
DC Measure	
Voltage measure	-10-10V
Current measure	-20-20mA

Accuracy	0.02%RG
Power Output/Measure	
Min Adjusting Unit	Shift x 0.01%
Resolution	Shift x 0.01%
Accuracy	0.05%RG (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, 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°
Output Voltage and Current distortion	
<0.2%(non capacitance load)	
Max AC Output Load	
Voltage 25VA, Current 25VA	
Index measure reference condition	
Environment temperature	22±1 °C
Work temperature	0°C ... 40°C
Humidity range	≤85 %
Work power supply range	220VAC±15%, 50Hz

Weight	24KG
Dimensions	450(D)×180 (W)×380 (H) mm
PC connection	RS232

**Major functions:**

	KS803	KS813	KS823	KS833
AC Standard Sources	●	●	●	●
DC Standard Sources	○	●	●	●
Harmonic Standard Sources	●	●	●	●
Indicator Test	○	○	●	●
Transmitter Test	○	○	○	●
Energy Meter Test	○	○	○	●