

## KS803 3-phase Harmonic Standard Source



### Features and Functions

Built-in high precision standard sources of voltage, current, phase, power, power factor, and harmonic.

Standard output (0.05% accuracy) of voltage, current, phase, active power, cross-phase reactive power and real reactive power; make use of software to realize closed loop control on all outputs ensuring its low drift and its annual stability

Standard output for 1st -19th harmonics (0,1% accuracy), and standard output for 20th -31st harmonics (0,2% accuracy).

Built-in RS232 interfaces: software upgrading and data transfer can be done without opening the box;

With the instrument is included an impact proof box made in aluminium alloy

### Specifications

<b>Output &amp; measure AC voltage</b>	
Available steps:	10 V, 30 V, 100 V, 300 V, 750 V; automatic switch is possible between the steps.
Adjustment range:	Step x (0 ... 120) %
Adjustment fineness:	Step x 0.01%
Resolving power:	Step x 0.01%
Accuracy:	0.05%RG
Stability:	0.01% / 1min
<b>Output &amp; measure AC current</b>	
Available steps:	100 mA, 1 A, 5 A, 10 A, 25 A; automatic switch is possible between the steps.
Adjustment range:	Step x (0 ... 120) %
Adjustment fineness:	Step x 0.01%
Resolving power:	Step x 0.01%
Accuracy:	0.05%RG
Stability:	0.01% / 1min

<b>Output &amp; measure AC power</b>	
Adjustment fineness:	Step x 0.01%
Resolving power:	Step x 0.01%
Accuracy:	0.05%RG (F>0.5)
Stability:	0.01% / 1min
<b>Output &amp; measure AC voltage and current frequency</b>	
Frequency range:	45,000 ... 65,000 Hz
Adjustment fineness:	0.001 Hz
<b>Output &amp; measure AC phase</b>	
Phase shift range:	0.00° ... 359.99°
Resolution	0.01°
Adjustment fineness:	0.01°
Accuracy:	0.05°
<b>Output &amp; measure AC power factor</b>	
Output range:	-1...0...+1
Measuring accuracy:	0.0005
Adjustment fineness:	0.0001
<b>Output &amp; measure harmonic</b>	
Harmonic setting:	2...31
Harmonic content: voltage, current	≤30% (as against fundamental)
Harmonic output precision:	0.1% (1st...19th, (against fundamental) 0.2% (20th ...31st, (against fundamental)
Harmonic phase:	0,00...359,00°, adjustable
<b>Distortion in AC voltage &amp; current output</b>	
< 0.2% (non-capacitance load)	
<b>Max output load capacity of AC voltage &amp; current</b>	
Voltage output 25 VA, current output 25 VA	
<b>General specifications</b>	
Environment temperature	22+/-1°C
Work temperature	0°C...40°C
Humidity range	≤85%
Power supply range	220VAC +/-15%, 50 Hz
Weight	27 Kg
Dimensions	450 (D) x 180 (W) x 380 (H) mm
PC Interface	RS232

### **ISOTEST, S.L.,**

Dirección fiscal: **C/Ikea, 51—48940—Leioa—Bizkaia**

Dirección almacenes y Laboratorios: **C/Brazomar 52A, nº 7—39700—Castro-Urdiales—Cantabria**

Tfno.: **944803040**—Fax: **944348191**—email: **isotest@isotest.es**— web: **http://www.isotest.es**