

AC Calibrator



Model No

KZP-11

Overview

Accurate ($\pm 0.1\%$) calibrating device which can generate AC voltage(3~720V) or AC current (5mA~60A) with 60VA capacity.
This device can be used for electrical meter production lines or academic demonstrations.

Feature

- **Frequency** : 50, 60 Hz, and 120Hz with 44 - 70 Hz (continuously variable by 0.01Hz resolution).
- **Output dividing function**: Easy to divide output step by step by using output dial (by 16 division)
- **Deviation reading** : Test error percentage can be displayed comparing to max value.
- **Sweep** : 0 to 120% of the set output value can be continuously varied at a constant speed. (12 seconds to set output value)

Specification

Distortion rate	Voltage output: 0.07%, Current output: 0.18% at range 40 to 120%				
Output	Setting	Range	Resolution	Max output	Accuracy: 50/60Hz
	150V	3V~180V	10mV	83mA	(0.1% of setting value + 0.015% of Range) ± 0.1% of range, output in under 20% of range. (Range ±0.1%)
	300V	5V~360V	100mV	41mA	
	600V	10V~720V	100mV	20mA	
	1A	5mA~1.2A	100μA	50V	
	5A	10mA~6A	1mA	10V	
	15A	50mA~18A	1mA	4.6V	
	50A	100mA~60A	10mA	1V	
	If setting is 1% or less of Range, the output is "0".				
Output setting and display	4 Dial setting / Voltage (V) - 3 LED / current (A) - 4 LED				
Output dividing	(Output) = (setting)X n/m m : 1,2,3,,,,,,,,,,,,,,,,,16(16-way split), n : 1,2,3,,,,,,,,,,,,,,,,,16(16-way split)				
Deviation setting	1 Dial setting				
Deviation display	3 LED display, maximum display 10.0% (0.05 to 10.0%)				
Response time	Approximately 1 sec (0 to 1005) of the setting value (Full scale)				
Insulation resistance	100Ω or more with 500 V DC between power supply and case between power supply and output terminal				
Withstand voltage	1 minute with 1500 V AC between power supply and output terminal, with power supply and case				
Sweep speed	Approximately 120% to set			Output frequency	44~70Hz Continuous variable(0.01step)
Output terminal	Bias binding			Aux. power	AC 220 ±10%, 50Hz or 60Hz
Operating temperature and humidity	-10~50℃, 20~85% RH			Power consumption	Less than 500VA
Accessories	Power cord 1 set, instruction manual 1 set				

Model with AC110v Aux. power is order-made

Terminal wiring

50A→10SQ

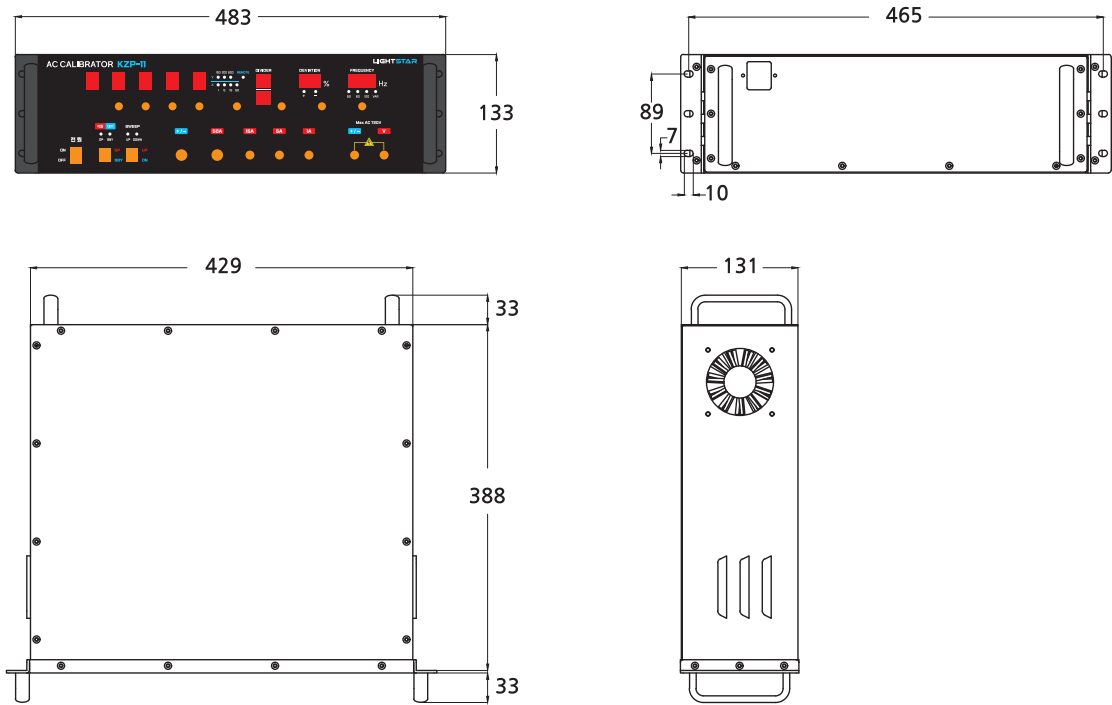
15A→6SQ

5A→2.5SQ

1A→1.5SQ

Drawing

Unit:mm



Case (option)

Unit:mm

