

3Phase Power Calibrator



Model No

KZP-3

Overview

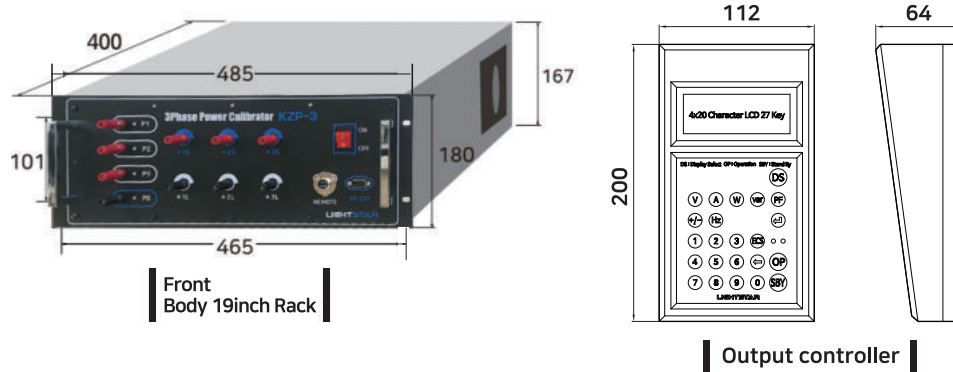
3 phase output (Voltage, Current) with single phase power 220V. Used for transducer calibration, relay function test or academic demonstration.

Feature

- Three phase power (A, V, W, Hz, PF) Generation with single phase power
- PC remote control
- Using the keypad and encoder to change the output value instantaneously.
- Automatic holding function in case of misconnection
- 3 phase angle individual adjustment

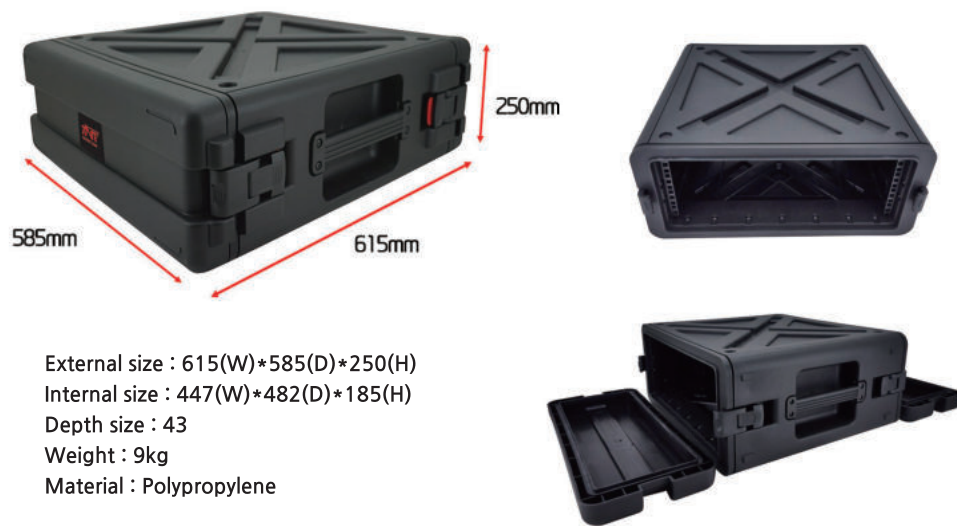
Specification

Aux. power	AC 220V ± 10%, 50/60Hz	Frequency	■ Output Range : 45Hz ~ 65Hz ■ Resolution : 0,01Hz ■ Rate of change : ±0,01Hz
Output method	3 phase 4 wire : Van/Vbn/Vcn Ia / Ib / Ic (P1, P2, P3, P0 / 1S-1L, 2S-2L, 3S-3L)	Phase to phase angle	■ Phase Setting : R-S Phase, R-T Phase ■ Input range : 0 ° ~360 ° ■ Resolution : 1 ° ■ Accuracy : ±0,35 °
Voltage output	■ Output Range : 0~300,00V (Line-N) Between phases 0~519,00V (Line-Line) Line to line ■ Resolution : 0,01V ■ Maximum load : 15VA (300V) ■ Accuracy : ±0,1% of rdg (320~50VL-N) ±0,1% F.S		
Current output	■ Output Range : 0 ~ 6,000A ■ Resolution : 0,001A ■ Maximum load : 15VA (6A) ■ Accuracy : 6A~1A(±0,1% rdg + 0,015% F.S) 1A~0A(±0,5% rdg + 0,1% F.S)	Display	■ 20 characters (W) x 4 columns (H) ■ LCD Backlight (yellow green) ■ Display size : 98(W) × 60(H)× 13,5(T)mm ■ Character size : 2,95(W) × 4,755(H)mm
Power factor	■ 3-phase setting or each phase ■ Input Range : -1,000 ~ 0,000 ~ +1,000 (Power Factor) ■ Resolution : 0,001(Power Factor) ■ Accuracy : ±0,35 ° (Phase angle)	Communication	■ Interface : RS-232C ■ Transmission protocol : Modbus ■ Transmission speed : fixed at 9600 bps ■ Transmission distance : within 5M



Case (option)

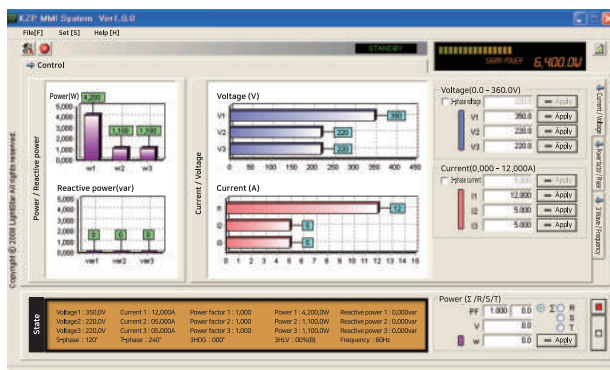
Unit:mm



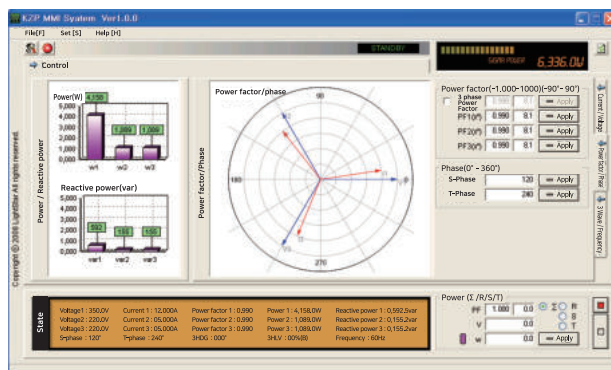
HMI Control

HMI can control KZP with every function from PC by RS-232 communication. Also this software can visualize the data with graph.

Voltage / current setting and display



Power factor / phase setting and display



Checking the magnitude of voltage / current visually (graph).

☐ If KZP is connected, you can check the applied value and graph.

The power factor / phase angle can be controlled. The controlled value is shown as a bar graph, and the power factor and phase angle of the three phases are shown as a vector diagram, and setting condition can be easily shown.