

## Parallel Operation of Two Single Phase Transformer

Premier Parallel Operation of Two Single Phase Transformers has been designed to demonstrate the fundamental concepts of parallel connections of two or more single phase transformers. Students can load on the transformer more than the rating of individual transformer then analyze the Parallel operation phenomenon and can also learn about the significance of connecting the two transformers in parallel and its effect on the system. One can also learn the polarity in the transformers. It helps to get fully acquainted with the functioning of a single phase transformer. The varied scope of learning makes the subject completely understanding and interesting.



### Features

- ▶ Stand alone operation
- ▶ Exclusive and rugged designed panel
- ▶ High quality meters used
- ▶ Designed by considering all the safety precautions
- ▶ Diagrammatic representation for ease of connections.

### Technical Specifications

**Mains supply:** 230 V AC  $\pm 10\%$ , 50Hz

### Transformers (2Nos.)

Rating : 1kVA

Primary Voltage : 0 - 230 V

Secondary Voltage 0 - 200 - 230 V

### Meters :

Voltmeter (MI) : 500 V (2 Nos.)

Ammeter (MI) : 10 A (2 Nos.)

**MCB (Single Phase):** 10 A

**Dimensions (mm) :** W 600 D 350 H 450

### Scope of Learning

- Study of polarity test under two single phase transformers
- Study of parallel operation of two single phase transformers under equal voltage ratio
- Study of parallel operation of two single phase transformers under unequal voltage ratio.