



Sumpner's Test of Two Single Phase Transformers is a very exclusive and important product designed for students of Electrical Engineering to explain the basic concepts of Sumpner's test. With this trainer, students can learn about the significance of conducting the heat run test with two single phase transformers and correspondingly can determine the efficiency and voltage regulation. Additionally, one can also learn the phenomenon of polarity.

The product helps to get fully acquainted with the basic concepts and functioning of the tests conducted on a single phase transformers. The product is represented in such an easy way so that each test can be studied in proper sequence. The varied scope of learning makes the subject complete understanding and interesting.

- Stand alone operation
- Exclusive and attractive designed panel
- Designed by considering all the safety precautions
- On board high quality meters are used
- Microcontroller based LCD used to display raising temperature
- Provided with an extensive e-manual
- Two years warranty

#### Technical Specifications

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

#### Transformers

Rating : 1 kVA

Primary Voltage : 0 - 125 V, 0 - 125 V

Secondary Voltage : 0 - 125 V, 0 - 125 V

#### Meters Used

Voltmeter (MI) (2Nos.) : 100 V, 300 V

Ammeter (MI) (2Nos.) : 1 A, 10 A

Wattmeter (MI) (2Nos.) : 100 W, 1000 W

**Auto Transformer** : 270 V, 10 A

**MCB** : 10 A

**Dimensions (mm)** : W 600  $\times$  D 450  $\times$  H 600

#### Scope of Learning

- Study of Polarity Test with Two Single Phase Transformers
- Study of Sumpner's Test-  
Open Circuit Test  
Short Circuit Test and  
Determination of the Efficiency and Voltage Regulation of Two Single Phase Transformers.

Note: Specifications are subject to change.

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