

Sumpner's Test of Two Single Phase Transformer

Premier Sumpner's Test of Two Single Phase Transformers is exclusive product designed for students of Electrical Engineering to explain the basic concepts of Sumpner's test. The students can learn about the significance of conducting the heat run test with two single phase X'mers and correspondingly can determine the efficiency and voltage regulation. One can also learn the phenomenon of polarity. It helps to get fully acquainted with basic concepts and functioning of the tests conducted on single phase transformers. It 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.

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

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 D 450 H 600



Features

- ▶ Stand alone operation
- ▶ Exclusive and rugged designed panel
- ▶ High quality meters used
- ▶ Designed by considering all the safety precautions
- ▶ Microcontroller based LCD used to display raising temperature.

Scope of Learning

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