



46584 "Three Phase Transformer Lab" is an adaptable training system for the Electrical laboratories. The product helps understand basic concepts and functioning of a Three Phase Transformer. The product is represented in an easy way so that each test can be studied differently in proper sequence. Three Phase configurations such as Star-Star, Star-Delta, Delta-Star and Delta-Delta, Measurement of different losses and consequently determine efficiency and voltage regulation at any predetermined load etc.

#### Features:

- Stand alone operation
- Graphical LCD display for high resolution
- Exclusive and rugged designed set-up
- Electrical loading arrangement
- Three Phase Supply indication lamps
- Designed by considering all the safety precautions
- Diagrammatic representation for the ease of connections
- Exhaustive Learning Material
- 2 Year Warranty

#### Scope of Learning

- Study of Three Phase Configurations
- Study of Open Circuit Test in a Three Phase Transformer
- Study of Short Circuit Test in a Three Phase Transformer
- Study of Load Test and correspondingly determine the Efficiency and Voltage Regulation in a Three Phase Transformer

#### Technical Specifications

Mains Supply : 415 V  $\pm$ 10%, 50Hz

#### Transformer Specifications

Type : Three Phase

Power Rating : 1KVA

Primary Voltage : 415V

Secondary Voltage : 230V

Rated Current : 4Amp

Graphical LCD display : 240 x 125 Pixel

Dimensions (mm) : W600 x D350 x H600

#### Optional:

Three Phase Variac, 10Amps

Three Phase Resistive Load

Note: Specifications are subject to change.

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