



Nvis 7004 Single Phase Transformer Lab is an elite training system for the Electrical laboratories. The product helps you to get fully acquainted with the basic concepts and functioning of a Single Phase Transformer.

The product is represented in such an easy way that each test can be studied differently in proper sequence. The Lab practically expertises you in exercises like Polarity, Turns Ratio, Transformation Ratio, Iron Loss, Copper Loss, Efficiency etc. The vast scope of learning makes the subject easily and completely understandable.

Features

- Inbuilt Single Phase Variac
- Equipped with Supply Indication Lamp
- Facility to use Fixed and Variable Load
- Control board consist of high grade FRP material to provide utmost safety to the users
- Terminals provided to use the optional externally
- Designed by considering all the safety standards
- Diagrammatic representation for the ease of connections
- Flexibility to configure Step-up, Step-down and Isolation Transformer
- Exclusive and Compact Design
- Product Tutorial (CD)

Scope of Learning

- Study of Transformation Ratio in a Single Phase Transformer
- Study of Polarity Test in a Single Phase Transformer
- Study of Open Circuit Test in a Single Phase Transformer
- Study of Short Circuit Test in a Single Phase Transformer
- Study of Load Test and correspondingly determine the Efficiency and Voltage Regulation in a Single Phase Transformer

Technical Specifications

Mains Supply : Single Phase, 230V AC $\pm 10\%$, 50Hz

Single Phase Transformer

Rating : 1kVA
 Primary Voltage : 0-125V, 0-125V
 Secondary Voltage : 0-125V, 0-125V
 Rated Current : 4A

Single Phase Auto Transformer

Primary Voltage : 230V
 Secondary Voltage : 0-270V
 Rated Current : 5A

Digital Meters Used

AC Voltmeter : 450V (2nos.)
 AC Ammeter : 5A (2nos.)
 Wattmeter : 1500W

MCB (SP) : 6A

Optional

Resistive Load "Nvis 726"