



Mine MI-ET07 Transformer Trainer is an extremely useful electrical laboratory kit which provides facilities for hands on experience to various experiments in the field of electrical trainers and provides all necessary inputs and connections for students to study basic concepts and functioning of a Transformer. It covers vary basic concepts like role of Polarity, Turns Ratio, Transformation Ratio, Iron Loss, Copper Loss, Efficiency etc while studying Transformer. This is an unique and standalone device for learning Single Phase Transformer.

Features

- ❖ Inbuilt Single Phase Variac.
- ❖ Equipped with Supply Indication Lamp.
- ❖ Facility to use Fixed and Variable Load.
- ❖ Terminals provided to use the optional externally.
- ❖ Diagrammatic representation for the ease of connections.
- ❖ Flexibility to configure Step-up, Step-down & Isolation Transformer.

Learning's

- ❖ Study of the Polarity Test of Transformer.
- ❖ Study of the Transformation ratio & Turns Ratio.
- ❖ Study of the Open Circuit Test of Transformer.
- ❖ Study of the Short Circuit Test of Transformer.
- ❖ Measurement of Efficiency & Regulation by Load Test of Transformer.

Technical Specifications

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	: 4A

Digital Meters

AC Voltmeter	: 500V (2nos.)
AC Ammeter	: 5A (2nos.)
Wattmeter	: 1500W

MCB (SPN)

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

	: Resistive load/Lamp Load 5A
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Package Contents



Operating Manual



Mains Cord



Patch Cord

