

TRANSFORMER EXPERIMENT TRAINER

GENERAL DESCRIPTION

The db-tech, DB-SM-24 Transformer Trainer is designed to demonstrate the characteristics of 1Phase and 3phase transformer. The students can measure various parameters of a transformer like resistance, saturation, curve, impedance, polarity etc. They can also experiment load and no-load characteristics of a transformer and measure the performance of it. It is a self contains module and require no additional accessories for operation.



Specification

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- 3Phase 220V / 50/60Hz (380V / 415V - Selective)
- Single Phase Transformer
- 400VA
- Primary : 0 / 110 / 220 / 380V
- Secondary : 0 / 110 / 220 / 380V
- Main Power Switch (MCCB)
- 3 Phase Variable Supply
- AC Ampere-meter
- AC Volt Meter
- 3 Phase Digital Watt Meter (Optional)
- Power Lamp
- Load Connection Block
- Load Main Switch (MCCB)
- Load Toggle Switch

Accessory

- Experiment Manual: 1 Copy
- Test Lead (Banana Plug): 1 Unit
- Power Cable: 1 EA
- Dust Cover: 1 EA

Experiment

- Measuring Coil Resistance of Transformer
- Saturation Curve and Voltage Ratio of 1Phase Transformer
- Impedance of Transformer
- Current Ratio and Impedance of Transformer
- Voltage Regulation Curve of Transformer
- Polarity of Transformer
- No-Load & Load Experiment of a 1Phase Transformer
- Short Experiment of a 1Phase & 3Phase Transformer
- Parallel Operation of a 1Phase Transformer
- Three Phase Connection of a 1Phase Transformer
- V Connection Practice of a 1Phase Transformer
- No-Load & Load Experiment of a 3Phase Transformer

Option

- 3 Phase Digital Watt Meter (DB-SM-24P)
- Watt Meter (2EA)