



The Mine MI-ET05 Scott Connection Trainer is an essential electrical laboratory kit designed for hands-on learning. It allows students to explore key concepts like the Mains Transformer, Teaser Transformer, Three-Phase to Two-Phase Conversion, and waveform observation. This standalone device is perfect for studying the Scott Connection and provides a comprehensive experience for understanding its basic principles and operation.

Features

- The system features separate main and teaser transformers, each providing two-phase step-down outputs for optimal waveform observation.
- Supply indication lamps are included to provide a visual cue of the system's operational status.
- The design includes a bulb holder for connecting external loads, allowing users to easily integrate additional devices.
- Built in compliance with safety standards, the system ensures safe operation and user protection.
- A diagrammatic representation makes the connection process easier and more intuitive.
- Equipped with digital panel meters, the system ensures accurate and straightforward readings of electrical parameters.
- On-board safety terminals are available for secure and safe connections.

Experiments

- Basic of Mains Transformer
- Basic of Teaser Transformer
- Three Phase to Two Phase Conversion by Scott Connection.

Technical Specifications**Main Transformer (Center tapped)**

- Primary Winding : 200-0-200V $\pm 10\%$, 50Hz
- Secondary Winding: 0-230V $\pm 10\%$, 50Hz

Teaser Transformer

- Primary Winding: 0-115.6V (28.9%) $\pm 10\%$, 50Hz
346.4V (86.6%) $\pm 10\%$, 50Hz
400V $\pm 10\%$, 50Hz
- Secondary Winding : 0-230V $\pm 10\%$, 50Hz

Step down Transformers (2 Nos.)

- Primary Winding: 0-230V $\pm 10\%$, 50Hz
- Secondary Winding : 0-18V $\pm 10\%$, 50Hz

Digital Meters

- AC Voltmeter: 500V (2 nos.)
- AC Ammeter: 5A (2 nos.)
- Supply : Three Phase, 415V AC, $\pm 10\%$, 50Hz

Accessories

- Operating Manual
- Mains Cord
- Patch Cord

