



46594 Three to Six Phase Conversion Trainer is a comprehensive training product used to illustrate the core concepts of Electrical Engineering. With this product, user can learn of how Three Phase Supply can be converted into Six Phase with proper phase shift by using three Single Phase Transformers. Separate terminals are provided to analyze Six Phase waveform using Single Phase as a reference waveform.

The product familiarizes with the phenomenon of Polarity usually expressed as a round dot. User can also get to know the significance of Three Phase Parameters and verify the Star and Delta connection properties.

### Features

- Separate terminals to analysis waveforms
- Three Identical Single Phase Transformer
- Equipped with supply indication lamps
- Equipped with bulb holder to use load
- Designed by considering all the safety standards
- Diagrammatic representation for the ease of connections
- Exclusive and Attractive Design
- Learning material CD
- 2 Year Warranty

### Scope of Learning

- Study of Polarity Test under Single Phase Transformer
- Study of Three Phase Parameters of Three Phase Supply
- Study of Three to Six Phase Conversion using 3 nos. Single Phase Transformers

### Technical Specifications

|                                     |                                     |
|-------------------------------------|-------------------------------------|
| Mains supply                        | : Three Phase, 415V $\pm$ 10%, 50Hz |
| Transformers Specification (3 Nos.) |                                     |
| Primary Winding                     | : 0 - 230V                          |
| Secondary Winding                   | : 30 - 0 - 30V                      |
| Analog Meters Used                  |                                     |
| Voltmeter (MI)                      | : 300V                              |
| Ammeter (MI)                        | : 1A                                |
| MCB (TPN)                           | : 10A                               |
| Dimensions (mm)                     | : W 600 x D 350 x H 450             |
| Weight                              | : 18kg (approx.)                    |

### Optional

- Three Phase Variac
- Oscilloscope

Note: Specifications are subject to change.

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