

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

1. Separate terminals to analysis waveforms
2. Three Identical Single Phase Transformer
3. Equipped with supply indication lamps
4. Equipped with bulb holder to use load
5. Designed by considering all the safety standards
6. Diagrammatic representation for the ease of connections
7. Exclusive and Attractive Design

Objects:

1. Study of Polarity Test under Single Phase Transformer
2. Study of Three to Six Phase Conversion using 3 nos. Single Phase Transformers
3. Study and verification of Three Phase Star Connection Parameters.
4. Study and Verification of Three Phase Delta Connection Parameters.

Technical Specifications:

1. Mains supply : Three Phase, 415V \pm 10%, 50Hz
2. Transformers Specification (3 Nos.)
Primary Winding : 0 - 230V
Secondary Winding : 30 - 0 - 30V at 300mAmp.
3. Digital Meter 3½ Digit Used
AC Voltmeter : 500V
AC Ammeter : 2Amp.
4. MCB (TPN) : 10Amp.
5. Weight panel : 18kg (approx.)
6. Dimensions panel : L 600 x H450 x D350 (mm)

List of Accessories:

1. Shrouded Patch cord 4mm length 50/100cm Red..11
2. Shrouded Patch cord 4mm length 50/100cm Black..11

Other Apparatus Required

1. Three Phase Variac above 1Amp.
2. Dual trace CRO 20MHz.

Note: Specifications are subject to change.