



**46510** Scott Connections Trainer is an Ideal training board very useful for electrical Labs. It helps in learning Three Phase to Two Phase conversion in a very easy method and to analyse and study the operation of Teaser Transformer and mains Transformer. One can easily perform the experiment and observe the two phase step down wave forms on Oscilloscope having 90° phase displacement with each other.

#### Object

1. Study of Scott Connection (Three Phase to Two Phase Conversion)

#### Features

1. Main and Teaser Transformers are shown separately
2. Two phase step down outputs for waveforms observation
3. Equipped with supply indication lamps.
4. Provided with bulb holder to use load externally.
5. Designed by considering all the safety precautions
6. Diagrammatic representation for the ease of connections.
7. Exclusive and attractive designed panel

#### Technical Specifications

The board consists of the following built-in parts:

1. Digital AC Voltmeter 0–500V.
2. Digital AC Voltmeter 0–200V.
3. Two Digital AC Ammeter 0–20mA.
4. Main supply : 415 V AC  $\pm 10\%$ , 50 Hz, 3phase
5. Main Transformer  
Input Winding : 0 - 207 V (50%)  $\pm 10\%$ , 50 Hz  
0 - 415 V (100%)  $\pm 10\%$ , 50 Hz

- Output Winding : 0 - 18V  $\pm 10\%$ , 50 Hz
6. Teaser Transformer  
Input Winding : 0-119.93V (28.9%)  $\pm 10\%$ , 50 Hz  
0-359.39V (86.6%)  $\pm 10\%$ , 50 Hz  
Output Winding : 0 - 18V  $\pm 10\%$ , 50 Hz
7. MCB : 4 Pole 0.5 Amp
8. Dimensions : L600 X H450 X D350 mm
9. Weight : 15 Kg Approx

#### List of Accessories:

1. Shrouded patch cord 4mm length 50cm Red..05
2. Shrouded patch cord 4mm length 50cm Black06
3. 4 core cable length 3 meter with PS16 female01
4. 4 core cable length 1 meter with PS16 male...01

#### Other Apparatus Required:

1. Dual trace CRO
2. Three phase variac Input 0-415 V  
Output 0-470 V current 1Amp & above.

Note: Specifications are subject to change.

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