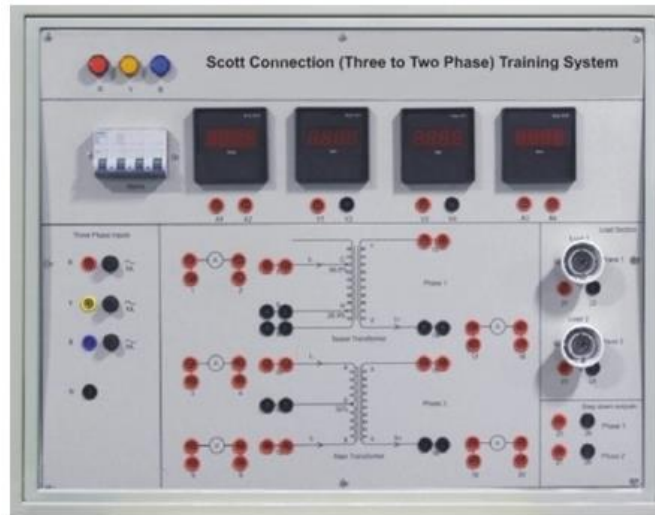


Three Phase Scott Connection Training System



** Shown image is just for illustration original may differ

Introduction

Three Phase Scott Connection Training System is a vital training system for the Electrical Laboratories. It provides comprehensive learning of Three Phase to Two Phase Conversion in a very simple manner. It helps to study and analyze the operation of Teaser Transformer and Main Transformer.

Students can perform stand alone operations and observe the two phase step down waveforms on oscilloscope, which will have 90° phase displacement with each other

Product Features

- Control panel with digital microcontroller based measuring devices with high accuracy and resolution
- Transformer winding consist of copper for long term service
- Front board consists of MS Material with power coating to avoid any rust.
- Separate auxiliary supply facility to enable digital measuring instruments
- Equipped with 2Nos. bulb holder to test conversion
- Lamp indicators for three phase mains
- Equipped 2Nos. low voltage transformer to check waveform over CRO
- Control Panel with round grills fitted on both sides for cooling purpose.
- Provided with suitable protection such as fuses, MCB, etc wherever requires
- Specially designed BS10 Terminals and patch cords for electrical safety
- Earthing screw provided at the back side of the control set-up
- Diagrammatic representation for the ease of connections.
- Product provides with protection fuses, colored patch cords, three phase cords, learning manual having theory operating procedure with connecting diagram, FAQ, Glossary, etc

Technical Specifications

Mains Supply	: Three Phase, 415VAC $\pm 10\%$, 50Hz
Main Transformer (Center tapped)	
Power Rating	: 1000VA
Current Rating	: 4A
Primary Winding	: 200-0-200V $\pm 10\%$, 50Hz
Secondary Winding	: 0-230V $\pm 10\%$, 50Hz
Winding	: Copper
Type	: E-I Core
Teaser Transformer	
Power Rating	: 1000VA
Current Rating	: 4A
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
Winding	: Copper
Type	: E-I Core

Step down Transformers (2 Nos.)Primary Winding : 0-230V \pm 10%, 50HzSecondary Winding : 0-18V \pm 10%, 50Hz

Winding : Copper

Digital Meters Used

Technology : Microcontroller based

AC Voltmeter : 500V (2nos.)

AC Ammeter : 10A (2nos.)

Protection Devices

MCB (TPN) : 6A

Glass Fuse : 5A

Grounding Nut : Available at the rear side of the panel

Experiments Can be performed:

- Study of Main Transformer
- Study of Teaser Transformer
- Study of Scott Connection (Three Phase to Two Phase Conversion)

Supporting Accessories supplied with Product

- Patch Cords of different color scheme
- Single/Three Phase Mains Cord
- Extra Glass Fuses
- Operating Manual (softcopy)
- 6A, Three Phase Closed Type Autotransformer (**Optional**)
- CRO/ DSO (**Optional**)

****Please feel free to share your queries or requirements by filling your details in ask query section or request a Quote section on the website, we will be happy to cater your requirement.**