



90° Phase Shifted Output.

Nvis 7010 Scott Connection Demonstrator 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.

Features

- Main and Teaser Transformer are shown separately
- Two Phase Step down Outputs for Waveform Observation
- Control board consist of high grade FRP material to provide utmost safety to the users
- Equipped with supply indication lamps
- Provided with bulb holder to use load externally
- Designed by considering all the safety standards
- Diagrammatic representation for the ease of connections
- Exclusive and Attractive Design
- Online Product Tutorial

Scope of Learning

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

Technical Specifications

Mains Supply : Three Phase, 415V AC $\pm 10\%$, 50Hz

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 Used

AC Voltmeter : 450V (2 nos.)

AC Ammeter : 5A (2 nos.)

Optional

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