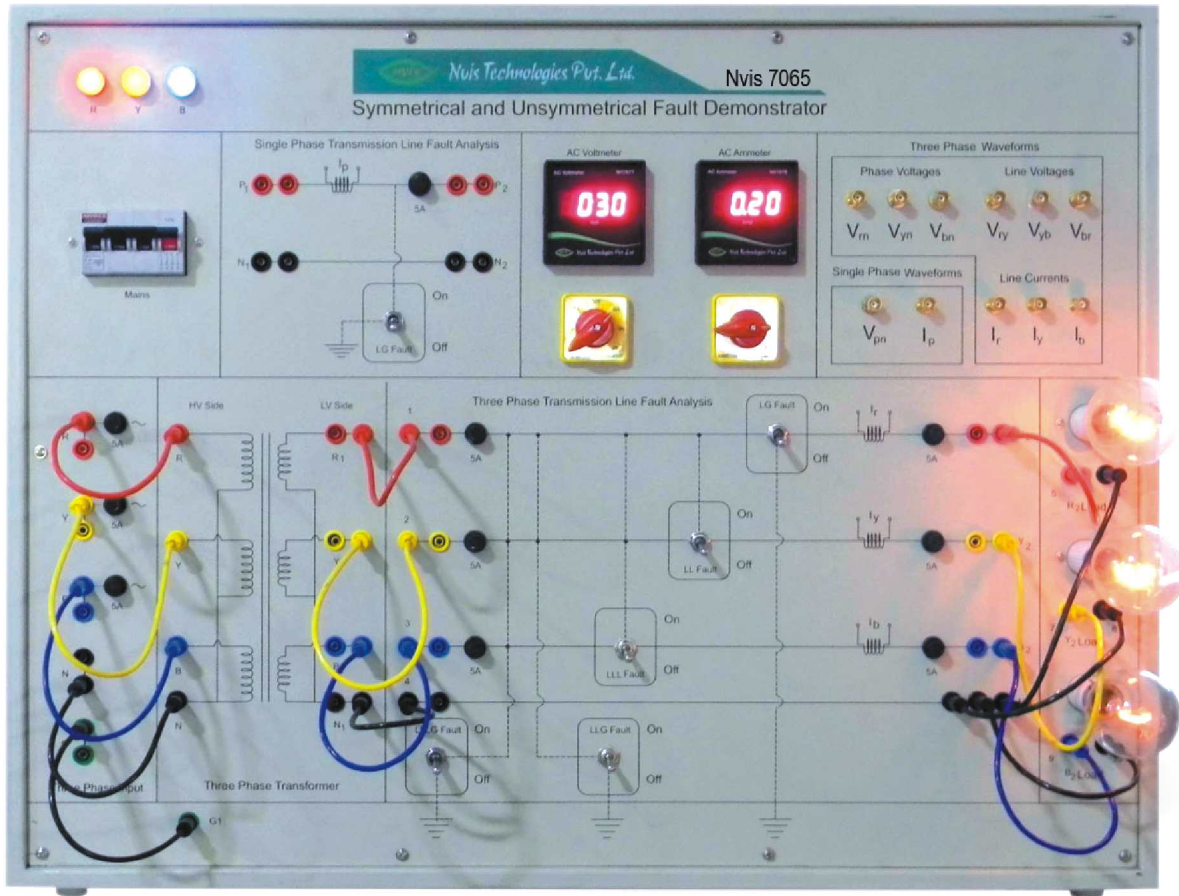




Symmetrical and Unsymmetrical Fault Demonstrator

Nvis 7065



Nvis 7065 Symmetrical and Unsymmetrical fault Demonstrator is a training system designed to explain the basic faults which can occur in a Transmission Line. Using Three Phase step down transformer, the training product reinforces the knowledge of all the basic faults in Transmission Line and corresponding sequence characteristics. In addition to this, it also provides an opportunity to a student to use a wide variety of electrical components such as MCB, Selector Switch, Ammeter, Voltmeter, Three Phase Transformer, Indicating Lamps, Fuse etc.

This product along with the learning material represents almost all faults in Power System training course.

Features

- Fast response time
- High quality meters
- Test terminals provided to analyze the waveforms
- Line Voltage and Phase Voltage selection facility
- Designed by considering all the safety precautions
- Diagrammatic representation for the ease of connections
- Online product tutorial

Optional Accessories

Three Phase Variac, 10A

Scientech DSO



Scope of Learning

- Line to Ground (L-G) Fault analysis of a Single Phase Transmission Line
- Single Line to Ground Fault (L-G) analysis of a Three Phase Transmission Line
- Line to Line Fault (L-L) analysis of Three Phase Transmission Line
- Double Line to Ground Fault (L-L-G) analysis of Three Phase Transmission Line
- Symmetrical L-L-L Fault analysis of Three Phase Transmission Line
- Symmetrical L-L-L-G Fault analysis of Three Phase Transmission Line

Technical Specifications

Input Supply : 0- 415V AC $\pm 10\%$, 50Hz

Auxiliary Supply : 0-230V AC $\pm 10\%$

Three Phase Transformer

Rating : 1kVA

Primary Voltage : 415V AC (Line Voltage)

Secondary Voltage : 240V AC (Line Voltage)

Potential Transformer

Primary Voltage : 240V AC

Secondary Voltage : 18V AC

Current : 500mA

Current Transformer

Ratio : 1:1 and 1:2500

Current : 5A and 20A

Operating Voltage : 30V

Fault Current : 5A

Meters Used

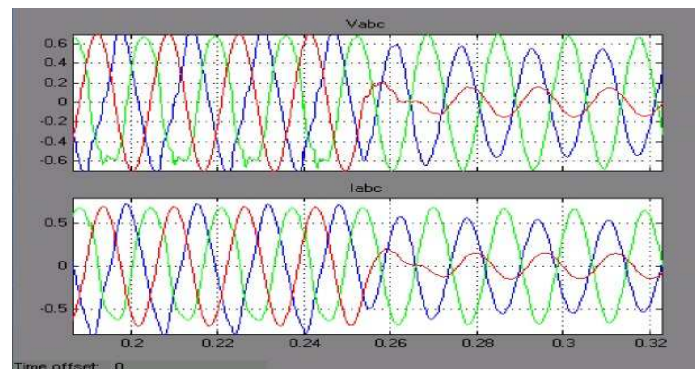
Voltmeter : 500V AC

Ammeter : 5A AC

MCB : 10A

Dimension (mm) : W 800 x D 350 x H 600

Weight : 50kg. (approximate)



Three Phase waveform under fault conditions