



46585B Three Phase Transmission Line Symmetrical & Unsymmetrical Fault Trainer 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:

01. Fast response time
02. High quality DPM
03. Test terminals provided to analyze the waveforms
04. Line Voltage and Phase Voltage selection facility
05. Designed by considering all the safety precautions
06. Diagrammatic representation for the ease of connections

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

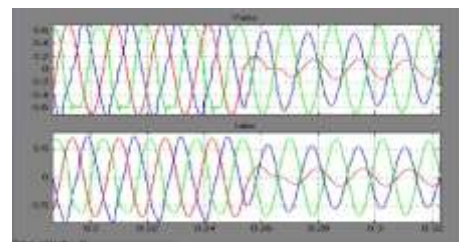
Ratio : 1:1 and 1:2500
Current : 5A and 20A
Operating Voltage : 30V
Fault Current : 5A
Meters Used
Voltmeter : 500V AC
Ammeter : 5A AC
MCB 10A
Dimension (mm) : W 824 x D 350 x H 624
Weight : 50kg. (Approximate)

Experiments:

01. Line to Ground (L-G) Fault analysis of a Single Phase Transmission Line
02. Single Line to Ground Fault (L-G) analysis of a Three Phase Transmission Line
03. Line to Line Fault (L-L) analysis of Three Phase Transmission Line
04. Double Line to Ground Fault (L-L-G) analysis of Three Phase Transmission Line
05. Symmetrical L-L-L Fault analysis of Three Phase Transmission Line
06. Symmetrical L-L-L-G Fault analysis of Three Phase Transmission Line

Optional Accessories:

01. Three Phase Variac 10A
02. DSO



Three Phase waveform under fault conditions

Note: Specifications are subject to change.

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