



Fault analysis of Three phase Alternator Training System is an important product designed to provide comprehensive learning about fundamental concepts and operating principles of Three Phase Synchronous Generator. Synchronous Generators are the primary source of electrical energy. These are used to convert mechanical power derived from (steam, gas, or hydraulic) turbine to ac electric power.

Nvis 8018 product provides hands-on experiments like fault analysis (LG, LL, LLG faults) of three phase alternator, etc. The product is very easy to use. All protection circuits are in built so there is very less chance of fault or danger to user. The varied scope of learning makes the subject understands complete.

Technical specifications

- MCB and fuse protection provided.
- BS-10 & BTI – 30 terminals for connections.
- 1 phase auto transformer 6 Amp – 1no. 3 point starter.
- Metering: 2ADC, 500VAC, 5AAC, 300VDC, 10ADC.
- DC shunt motor coupled to 3 phase alternator. (with anti vibration pads).
- The motor and alternator are coupled with flexible coupling and fitted on MS Channel suitable frame.
- Motor: 5 HP-220 Volt DC –1500 RPM.
- Panel size 2ft (height) x 4 ft (width) x 200mm (depth).
- Alternator: 3 KVA- 3 Ph., 6 wire and separately excited field winding.
- 220 Volt DC source is required.