



Performance of Generator Protection Testing System is a significant product for Electrical Power System Laboratory. Generators are normally connected to an electrical power system, hence any fault occurred in the power system should also be cleared from the generator as soon as possible otherwise it may create permanent damage in the generator. Preventive measures must be taken against overloads and abnormal conditions of the machine so that it can serve safely.

Product includes numeric protection relay which offer various protections such as over current, under voltage, over voltage, frequency, earth fault, etc which makes the system highly versatile.

Technical specifications

- MCB and fuse protection provided.
- BS-10 & BTI – 30 terminals for connections.
- Variable Frequency Drive - 5HP.
- 3 Phase Over Current & Earth Fault Relay (numerical type).
- Under/Over Voltage Relay (numerical type).
- Under/Over Frequency Relay (numerical type).
- Standard CT 5/1 Amp – 4 nos.
- 3 phase resistive load bank - 1no.
- Digital metering: 5AAC-4nos, 500VAC – 2nos.
- Panel size 2ft (height) x 8 ft (width) x 200mm (depth).
- Multi-function meter - 1no.
- Load bank 3 phase suitable for the above protection system.
- DC shunt motor coupled to 3 phase alternator.
- Induction motor: 5 HP-415 Volt AC – 1440 RPM.
- Alternator: 3 KVA- 3 Phase, 4 wire and separately excited field winding.