

Synchronous Machine Training System

Technical Specifications

The product is equipped with advanced measurement system for AC Parameters and DC Parameters.

It has inbuilt Phase Sequence Indicator which is highly stable and accurate.

Due to use of big size LCD display it is possible to observe multiple parameters simultaneously. The RISC microcontroller based design provides better resolution and sensitivity as compared to analog meters. The panel is also equipped with advanced Digital Synchroscope as well as Conventional Lamps (Dark Lamp Method) to perform the synchronization of two generators.

Panel is AC measurement unit acts as multifunction meter to Display Current, Voltage, Frequency, Power & Power Factor.

It measures parameters from both the generators

AC Measurement Unit Voltage: SOV to SOOV, Current 0.2 to 10A, Power :20 to 2000W, Power Factor : 0.99 Lead, Lag Frequency :45 to 55Hz , DC Measurement Unit Voltage :25 to SOOV, Current :0.2 to 10A, Phase Sequence Indicator: For both generators, Both the M-G Sets are Flexibly Coupled and Mounted on a "C" channel Base, DC Machine: type shunt, Voltage Rating : 220V +10% Rating : 2 HP Speed : 1500 RPM a5% Insulation : Class "B" , Three Phase Synchronous Machine Type : Salient Pole Rating : 3 HP Voltage rating : 415V AC +10% Speed : 1500 RPM Excitation Voltage : 120V Insulation : Class "B" DC Power Supply Rheostat2.8A, 220 ohms (4 nos.) Three Phase Resistive Load.



Tentative Image Subject to change