Price=**110,500/-** MoQ= 05 units

Capacitor Start Induction Motor, 3-Phase Synchronous Generator, 3-Phase Synchronous Motor Trainer

MAIN FEATURES:

Used to find all the characteristics of Capacitor Start Induction Motor

- Inbuilt Breaker for Over Load Motor Protection
- Inbuilt Fuses for Generators Outputs Protection
- Light Indication For Power Supply
- Separate Capacitor Start Induction Motor Unit (Folsom 2950 RPM Italy)
- Inbuilt Variac to Control/Vary the Motor Speed
- Inbuilt Knob to change the Rotation of the Motor Clock/Anti clock
- Inbuilt Light for Motor Direction Indication
- Motor Generator Coupling (Rubber) to couple the two moving Parts to absorb the jerks
- Inbuilt Digital Techo Meter for RPM Measurement
- Inbuilt Excitation Points
- Fuse Protection for Bridge DC output
- Separate 3-Phase Bridge to Convert 3-Phase AC to Dc
- 3-Phase bridge Circuit Diagram drawn on panel demonstrate its working
- Panel 3-Phases and Neural knobs for Generated Voltages
- Fuse protections for 3-Phase Generated Voltages to Protect the Generator
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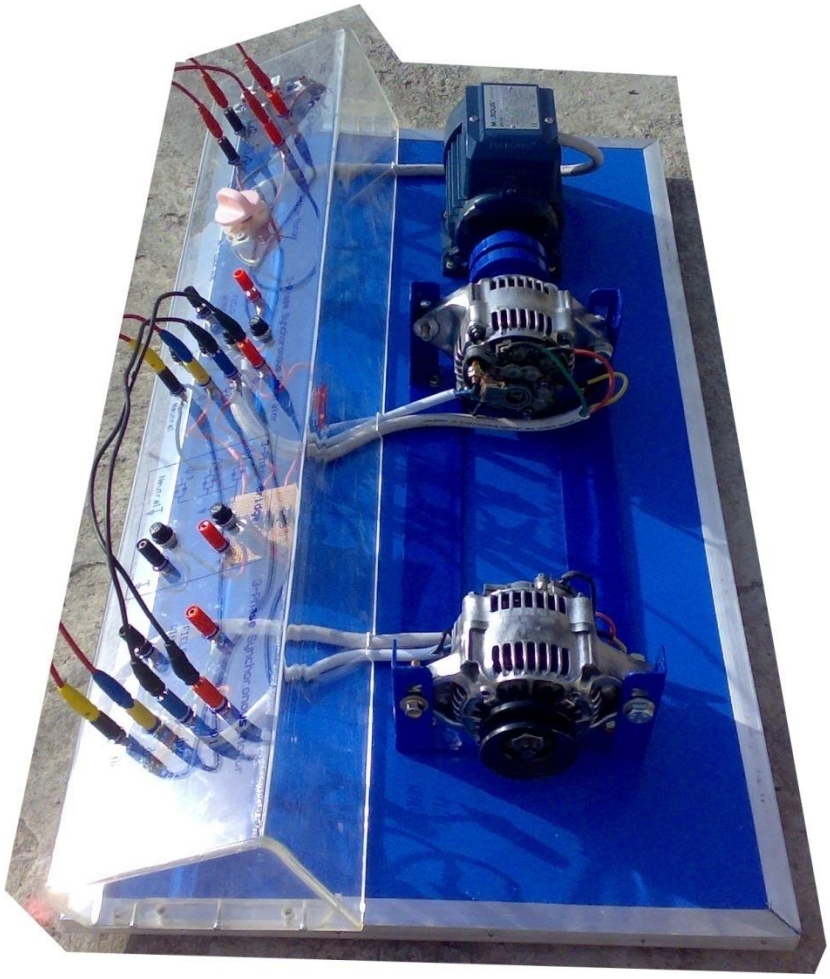

Used to find all the characteristics of 3-Phase synchronous Generator

- Separate Separately excited 3-Phase synchronous Generator Unit

Used to find all the characteristics of 3-Phase synchronous Motor

- Separate Separately excited 3-Phase synchronous Motor Unit
- Panel Excitation Knobs for Field Winding
- Panel 3-Phases and Neural knobs for Input Voltages

Experiments:

1. To examine the construction of capacitor start induction motor.
2. To determine its running and starting performance with split phase motor.
3. To measure the starting and operating characteristics of the split phase motor under load and no load conditions.
4. Study the power factor and efficiency of the split phase motor.
5. Study the Direction change in Single Phase Induction Motor
6. Speed Control of Single Phase Induction Motor
7. Variac working controlling the Power of Single Phase Induction Motor

8. Generator as a Motor/Motor as a Generator
9. 3 Phase Synchronous Generator(Moving Flux/Magnetic Field)
10. 3 Phase Synchronous Generator Star* connections
11. Separately excited 3 Phase Synchronous Generator
12. DC Generator (Built in Commutator/Rectifier)
13. Study the effect of Speed dø/dt on Voltage Generation
14. Study the effect of Field Excitation Voltages/Magnetic Field on Voltage Generation
15. No Load effect on 3 Phase Synchronous Generator
16. Load effect 3 on Phase Synchronous Generator
17. Study of 3 Phase Bridge

18. 3 Phase Synchronous Motor(Moving Flux/Magnetic Field)
19. 3 Phase Synchronous Motor Star* connections
20. Self Excited 3 Phase Synchronous Motor(Residual Magnetism)
21. Separately excited 3 Phase Synchronous Motor
22. 3 Phase Synchronous Motor RPM Lock on Source Frequency/Prime Mover Speed
23. 3 Phase Synchronous Motor Direction Reverse by changing the Phase sequence