

Product Code:

AL-E313

## CATALOGUE

#118, Karanpuri, Behind B.D.Floor, Ambala Cantt, Haryana (India),

### AC MACHINE CONTROL PANEL TRAINER

#### Specifications:

- Electrical control panel consist of starting and stopping methods of 1 Phase and 3 Phase AC motor.
- Electrical control panel consist of Forward and Reversing methods of 1 Phase and 3 Phase AC motor.
- Panel size 42inches x24 inches
- Variable power supply source 8A per phase variac provided externally.
- Variable AC-DC power supply source 5A provided externally.
- Electrical panel consist of MS powder coated housing with back side removable.
- Electrical panel fitted with front panel of high class insulated Bakelite sheet 6mm thick.
- On board DOL(Single Phase and Three Phase) Starter provided on the front panel
- On Star Delta (3 Phase) for Delta Connection Starter provided on the front panel
- On board 3 Phase Forward-Reversing Switch provided on the front panel
- It is fitted with appropriate digital voltmeter, ammeter & wattmeter to record the readings.
- Short circuit protection with the help of MCB.
- Connections through 4mm highly safety terminals
- Supplied with instruction manual

#### Product Photographs:

#### Experiments:

- Study of 1 phase induction motor starting and reversing.
- Load test of single phase induction motor.
- Study of 3 phase induction motor asynchronous type.
- Study of Star delta, Direct on line, transformer starting of the 3 phase induction motor.
- In Asynchronous motor provided will be squirrel cage induction motor 3 phase.
- Study of Universal motor
- Study of Synchronous motor & stating methods of 3 phase synchronous motor.

### Optional Items Required:

Single Phase Induction Motor with loading arrangement 1HP

3 Phase Squirrel Cage Induction Motor with loading arrangement

Synchronous Motor 1HP

Universal Motor 1/2HP



### Features

Supplied with complete electrically panel consist of MS powder coated box with high insulation n Bakelite sheet of size 42x24 table top type. It is completed with all digital meters to indicate the input and Output. On board 3 point starter connected . the DC power supply for operating the shunt motor is internally connected with short circuited protected with MCB. The additional load bank is connected to load the alternator for full load with lamp load. The field is controlled by the internally connected dc variable power source.

**Accessories:**

- 1. 3-Phase 8A Variac.**
- 2. Single Phase Induction Motor 1Hp Crompton Greaves Make.**
- 3. Three Phase Induction Motor 1Hp Crompton Greaves Make.**
- 4. Single Phase Universal AC-DC Motor 1Hp Crompton Motco Make.**
- 5. Three Phase Synchronous Induction Motor Motco Make.**
- 6. Single Phase AC-DC Supply 5A rating Ambeylab Make**

