



The AC MOTOR CONTROL TRAINER outline the basics of their operation, construction and speed control of motor.

FEATURES:-

- The self-contained unit.
- Modern industrial components are used for operating.
- Comprehensive training manual supplied.
- Optional components are available to allow fault operation.
- Computer Interface facility.
- SCADA software for graphical user interface(GUI), Digital data display, Redundant bi-directional Parameter selection facility, real time trend plotting historical trends, report generation.

Instruction Manual:-

Self explanatory operation manuals are provided with each system. Detailed theory as well as practical exercises are also included in the manual.

OBJECTIVE

The objectives of the system is to cover the following experiments

1. Study of operation and construction of A.C. motor.
2. Study of characteristics of A.C. motor.
3. Study of tachometer.
4. Study of AC drives.
5. Characteristics plot of Speed VS Current, and Frequency VS Speed.
6. Study of closed loop control system (speed control).
7. Study of P, PI, and PID controllers.
8. Study of computerized speed control of AC Motor.
9. Study of SCADA software for AC motor speed control application.

SYSTEM COMPONENTS:-

- AC drive.
- PID controller.
- Tachometer.
- AC motor.

SERVICES REQUIRED:-

- Single phase electrical supply of 230V 50Hz
- PC Pentium Dual core for SCADA software analysis for computerized control.

Note:

All descriptive matter and illustrations are intended to give only a general idea of the equipment. Detailed specifications may be altered at the company's discretion without.

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