SAP E & C AC MOTOR SPEED CONTROL TRAINER i.e. AC DRIVE TRAINER
(PRODUCT CODE: SAP –53)

The **AC Motor Control Trainer or AC Drive Trainer (SAP – 53)**outlines the basic of Operation, Construction and Speed Control of AC Motor.

AC MOTOR SPEED CONTROL TRAINER (SAP – 53)

Technical Specification:-

No.	Item Name	Technical Specifications
1	**AC drive with PID controller-**	Make: LS / DELTA/EQVT.Model Name: SV004iG5-1F / EQVT. I/P: 1ϕ 230 VAC, O/P: 3ϕ 230 VAC
2	**AC Induction Motor-**	3ϕ, 230/415 VAC, 0.5 / 1HP, 1500 RPM, Frame 71/80.
3	**Proximity Sensor**	Type: Inductive, 3 wires, 24 VDC, Sensing Distance: 5 mm, Diameter: 18 mm.
4	**RPM Indicator**	Supply Voltage: 230 VAC, I/P: 0-1500/3000 rpm (Proximity input), Retransmission O/P: 4-20mA
5	**RS-232 to RS-485 Converter**	Supply Voltage: 230 VAC, I/P signal: RS-232, O/P signal: RS-485

For More Details Visit Our Website At: www.sapengineers.com, www.sapengineers.co.in E-mail:- sales@sapengineers.com
SAP Engineers & Consultants, Kothrud, Pune-411 038, India. Ph-(020)25384737

SAP E & C AC MOTOR SPEED CONTROL TRAINER i.e. AC DRIVE TRAINER
(PRODUCT CODE: SAP –53)

Objectives-

- Study of operation and construction of A.C. motor.
- Study of characteristics of A.C. motor.
- Study of tachometer.
- Study of AC drives.
- Characteristics plot of Speed VS Current, and Frequency VS Speed.
- Study of closed loop control system (speed control).
- Study of P, PI, and PID controllers.
- Study of computerized speed control of AC Motor.
- Study of SCADA software for AC motor speed control application

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-directionalParameter selection facility, real time trend plotting historical trends, report generation.

Instruction Manual-

- Self explanatory.
- Operation manuals are provided with each system.
- The detailed theory and practical exercises are also included in the manual.

System Dimensions- 1 Ft. (L) X 1 Ft (W) X 2 Ft. (H)

Weight: Approx. 20Kgs

Services Required-

- Electric Supply of 1ϕ 230 VAC, 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 any notice.

Manufactured/Marketed By

SAP ENGINEERS & CONSULTANTS

Regd. Off. : Shop No. 26-27,'Srushti', Survey No.82, Near Guru Ganesh Nagar, Eklavya College Road (D.P.Road), Kothrud, Pune - 411 038, India
Telephone : (020) 2538 4737
Mobile : +91 94220 88946, +91 9552475082
Fax : (020) 2538 3544
Email : sales@sapengineers.com
Website : www.sapengineers.com / www.sapengineers.co.in