



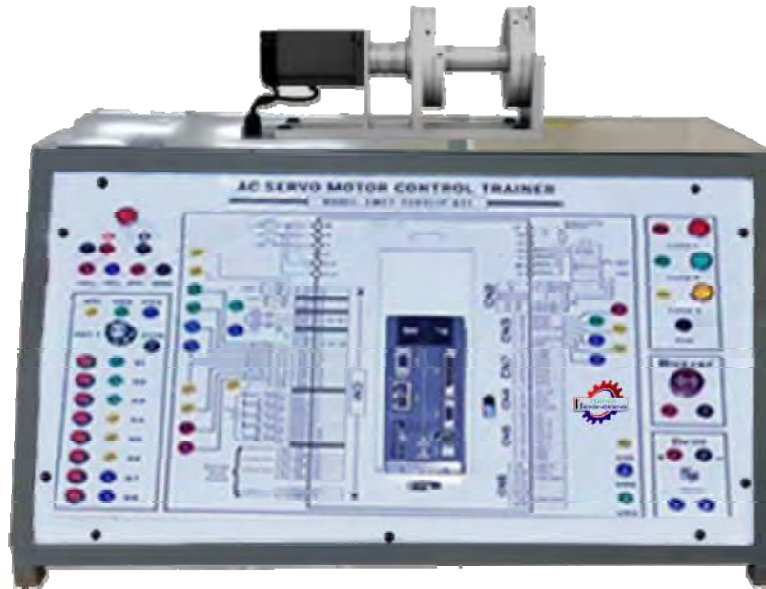
VERITAS Engineering

Catalog
Of

AC Servo Motor Trainer with Software

Brand: VERITAS

Model: VASMT-01



Picture : AC Servo Motor Trainer

Specification:

- Equipped with Rockwell Automation CSDJ Plus Servo Drive being widely used in industry
- PC-based control and monitoring through the computer software package

Experiment:

- Basic setting and operation of AC Servo Drive
- How to set parameters of the servo motor
- How to control the sequence of I/O signals and brake control signals
- Operation of the servo motor by the Line Drive Output
- Servo motor operation practices by the operators
- Multiple speed control practices
- Zero-clamp practices
- Torque control practices

Power source: Single-phase AC 220V (-15% +10%), 50/60Hz

Control method: PWM control in use of IPM

Encoder: 2000/2048/2500/10000 P/R (incremental or absolute)

Ambient temperature: 0+30°C (90% RH)



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Vibration/shock resistance: Vibration: 0.5G/Shock: 2G (IG-9.8m/s²) Position (output);

Encoder output: A-phase, B-phase and Z-phase (MC3487 Line Driver)

External input: Servo ON/OFF, proportional control, forward/reverse rotation prevention, and alarm reset

External output: Brake control (in rotation), servo alarm/code (3-bit), speed compliance (speed control mode), position compliance (position control mode), Z-pulse (open collector)

Protective function: Over current, overload, overvoltage, over speed, overheated inverter, CPU error, malfunctioned encoder, and communication disorder

Dynamic brake: To be activated in case of alarm activation

D/A output (speed): Setting value (RPM) at 1V/SET 08 (Max. 10V)

D/A output (torque): Setting value (%) at 1V/SET-09 (Max. +10)

External indicator LED: Power ON, Servo Run, Servo Alarm

Command values such as

- Speed, torque, position and electrical angle
- Error values
- Feedback values
- Offset values
- Load inertia ratio
- PC software: All functions of Operator

Accessories:

- Power cord: 1 ea
- Connection cable: 1 set
- Serial cable (9-Pin, D-SUB): 1 ea
- PC software CD: 1 ea
- CSDJ Plus user's manual: 1 ea