

MIRCROMASTER 440 DRIVES TRAINING PROGRAMMING



Target Audience

This course is designed for Engineers/Technicians who are exposed to digitally controlled AC drive technology and work with Siemens Micromaster AC Drives.

Prerequisites

The participant should be Electrical / Electronics / Instrumentation Engineer/Technician *or* an Engineer/Technician from another branch of Engineering with adequate knowledge in the area of Electrical / Electronics Engineering.

DATES

Course Duration: 3 days.

Actual dates to be agreed

Course Content

- Inverter principle, PWM technique and power switching devices
- Block diagram of AC Drive and principle of vector control
- Specifications, range, features and hardware details of Micro Master MM4
- Block diagram of the product, terminal details
- Parameter structure and quick commissioning procedure
- BICO technology, working with programmable binary and analog inputs and outputs
- Drive data and Command data sets
- Control and status word
- Set point & actual value channel
- Various control modes for MM4
- Discussion on application boundaries with reference to control modes.
- Signal flow – various control modes of MM4
- Functions and special functions in MM4
- Overview of some typical applications using MM4
- Working with AOP and Drive Monitor
- Free function blocks in MM4 Vector
- Introduction to communication capabilities of MM4
- Accessories, Engineering concepts and commissioning steps
- Sizing of the drive MM4 for given application
- Energy saving using AC Drive
- Fault diagnostics

CHARGES: Ksh 35, 000 per person + 16% VAT

Minimum 5 participants.

Cost includes lunch, morning & afternoon tea/snacks.

ACCREDITATION

IET is registered with the Department of Industrial Training ref: DIT/TRN/545 as Management Trainers.

IET



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