SIEMENS

SINAMICS G130 / G150 (DR-G130)

Objectives

Making participants familiar with SIEMENS make AC Drives: SINAMICS G130 / G150
The participants should be able to wire and power the drive, parameterize the drive for different requirements, using operator interfaces, understanding the Engineering concepts, commissioning steps and fault diagnostics in the Drive

Target Group

Users, Commissioning / Service /Maintenance Engineers

Content

- Need of Variable Frequency Drive
- Types & Basics of Motor, speed variation of AC motors, reversal & braking
- Block diagram of Drive System
- Introduction to Product Variants (Sinamics-G/Sinamics-S/Sinamics -V)
- Hardware Details and Specifications
- Power Connections
- Control Connections and Terminal Details- CU320 -2
- BICO Technology and Flexibility, Drive CliQ Components
- STARTER Software, Commissioning with STARTER
- Various options to go line with G130/G150 system
- Automatic/Manual System Configuration with Starter
- Start-Up for Open Loop V/f Control Mode
- Parameter Structure
- Working with Programmable Inputs and Outputs
- Control Words and Status Words
- Set-point and Actual value Channel
- Closed Loop Speed Control Configuration
- Using various Data sets - CDS, DDS
- Using of AOP30, Start up through AOP 30
- Using terminal module TM
- Free function Blocks, Drive Control Charts (DCC)
- communication of SINAMICS G130/G150 with PLC over profibus
- Fault Diagnostics with Trace in Starter & other software / Hardware options
- Project Backup
- FW & Project Upgradation
- Licensining of Sinamics G130/G150 system
- Typical Applications of AC Drive
- Hands on practice on demo kit

Prerequisites

Engineers in Electrical / Electronics Engineering with basic working Knowledge of AC Drives

Type

Face-to-face training

Duration

6 days

Language

en