

Siemens S7 PROFIBUS Network

Course Description

This training course provides you the ability to troubleshoot, use diagnostics and create new applications using various types of Profibus connections. The course uses a 'hands-on' practical approach to reinforce the theoretical aspects of the training.

Target Audience

Programmers, commissioning engineers, service personal and configuring engineers.

Pre-requisites

- Basic computer skills with Windows 7 very helpful.
- knowledge of PLC level (1) and level (2) training course.

Duration

- **Class room:** 3 days, 7 hours/day.
- **On line:** 7 days, 3 hours/day.

Course Outline

- Install and troubleshoot PROFIBUS DP Networks.
- Install and troubleshoot PROFIBUS I/O, ET200M and ET200S.
- Configure a CPU as a DP Master or as an Intelligent DP Slave.
- Configure a CP342-5 as a DP Master or as a DP Slave.
- Integrate different diagnostic software blocks into an existing program.
- Configure a DP/DP Coupler to link two independent PROFIBUS Networks.
- Configure CP342-5 for Communication connections.
- Configure and troubleshoot S7 connections.
- Configure and troubleshoot Send/Receive connections.

Course Agenda

Day 1	<ul style="list-style-type: none"> • Communication Techniques Used in Automation Engineering. • Technology of PROFIBUS. • Transmission media for PROFIBUS. • Configuration of a CPU as a PROFIBUS DP Master.
Day 2	<ul style="list-style-type: none"> • PROFIBUS DP Slaves. • Remote I/O using PROFIBUS. • Examples for remote I/O. • Configure PROFIBUS network.
Day 3	<ul style="list-style-type: none"> • CPU to CPU PROFIBUS communication. • Send and receive instructions. • Troubleshoot network.

Note: -

This course could be applied on SIMATIC Manager or TIA Portal