SIEMENS

Simatic S7 Profibus Course (IK-PBSYS)

Short Description

The course is directed at engineering and maintenance personnel, who need 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.

Objectives

On completion of this course the participant will be able to:-
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

Content

Communication Techniques Used in Automation Engineering
Technology of Profibus
Transmission media for Profibus
Testing Copper Bus Cables using the BT200
Configuration of a CPU as a Profibus DP Master
Profibus DP Slaves
Troubleshooting in a Profibus DP System
Configuration of a Profibus DP/DP Coupler
Configuration of Intelligent Slaves and Slave to Slave Communication
Configuration of a CP342-5 as a DP slave and DP Master
Data Communication with Profibus using S7 Connections and FDL Connections
Each of the above topic areas are backed up by practical exercises using a system model, consisting of the S7- 300 automation system, the ET200S distributed peripheral, the ET200M distributed peripheral and a conveyor model. Working examples are provided and tested out during the course.
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Prerequisites

The ability to use a MS Windows PC (2000/XP), keyboard and mouse to include opening and closing programs, locating files, copy and paste objects /data (text, etc). Drag and drop files, objects/data (text, etc). Use of menus and multi-menus, manipulation of windows within a multi-window environment. Use of MS Windows Help.
Must have attended either ST-PRO1 or ST-SERV1 and ST-SERV2.

Note

This training course is not appropriate for trainees using S7-200, S7-1200 or S7-1500 based systems. For more information concerning details of S7-200, S7-1200 or S7-1500 training contact Siemens Industry Training on 0161 446 6111 or our website at www.siemens.co.uk /sitrain.
Course Duration - 5 Days

Type

Face-to-face training

Duration

5 days

Language

en

Fee

2,540 GBP