

PLCs for beginners (WT-SPSEIN)

Objectives

What are the advantages of a programmable logic controller (PLC) over a hard-wired controller? What are the different signal types? How is a program executed in an automation device? How do you program in function block diagram, ladder logic and statement list? These and other questions on programmable logic controllers are answered in the multimedia and inter-active learning program. It is suited for beginners that have basic knowledge of electrical engineering and who want to familiarize themselves with the basics of programmable logic controllers. Depending on your level of knowledge, the learning time is from 4 to 6 hours. Decide for yourself, when and where you want to learn and which chapters you work through! Then check your newly acquired knowledge in the exercise module with an extensive test. You can order the WBT directly via the Internet. Immediately following placement of the order, the WBT is available for one year in your personal learning environment for online learning.

Target Group

Decision makers, Sales personnel Planner, Designer Programmers, Commissioning engineers, Engineering personnel, Maintenance personnel, Service personnel and Operators

Content

From relay to PLC
PLC Tasks
Basic Terms
Function Units
Software
Logic operations
Program processing
Arithmetic operations
Introduction to the programming of a PLC- FBD, STL and LAD programming
Creating a PLC program
Start-up Exercises

Note

PC with the following minimum configuration:

- Intel Pentium processor with 128 MB RAM
- Graphics card with 800 x 600 pixels and True Color
- Microsoft Windows 95, 98, NT 4.0, 2000 or XP
- Microsoft Internet Explorer 5.x
- Flash Player
- Internetconnection
- Software - Warranty Class A

Type

E-Learning

Duration

2 hours

Language

en