PLC & Process Visualisation

Equipment set E6.6.3.3

This course familiarises students with the most important functions of a stored program control (SPC). The basic package for the Siemens SPC S7-1516-3 PN/DP contains only the assembly components and accessories. The SPC is not included in the kit.

Equipment set E6.6.3.31

This course familiarises students with the most important functions of a stored program control (SPC). The trainer package for Siemens SPC S7-1516-3 PN/DP contains assembly parts and accessories including the necessary SPC.

Educational objectives

• Operate the SPC
• Create programs
• Learn logistics and control functions
• Test the programs
• Set up the network connections for Profi-Net and Profi-Bus / DP

Topics

• Programming of an SPC
• Programming method LAD, SFC, STL, S7-GRAPH
• Expanded program structure
• Logic connections
• Timer and time switch functions, fast counter
• etc.

Experiments require the Siemens software TIA Portal to create programs.

The equipment can require additional software modules.