

Siemens S7-300 PLC Module

Study module for PID controllers

The S7-300 PLC modules at a glance

Sections

All sections dealing with automation, control and communication

Highlights & Key Activities

- ✓ This module includes a PLC with advanced functions.
- ✓ PC programming
- ✓ Communication via an Ethernet link
- ✓ Integration of several PID loops to control the entire line
- ✓ Graphical interface time scale for clean and accurate plotting correct identification of systems (Broida method, Ziegler-Nichols, ...)
- ✓ Self-tuning function to search for P, I, D parameters

Specific components

- ✓ PLC with digital and analogue input/output cards:
 - Internal and external set point variables
 - Feed-forward input on PID controller
 - calculation blocks (report, lead/lag blocks, ...)
- ✓ Communication couplers: Profibus DP; Profibus PA; Ethernet TCP/IP; AS-Interface, colour touch panel, "WinCCflexible" supervision; ...

➤ Main components

- ✓ The PLC used is a CPU S7-1500 from the SIEMENS SIMATIC S7-1500 range
- ✓ "Ethernet TCP/IP" coupler

Features

- ✓ L/ W/ H: 520x510x310 mm
- ✓ Electrical energy: 230 V single phase
- ✓ Weight: 20 kg

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Grandes thématiques

Control - Servo control Instrumentation
Measurement - Maintenance

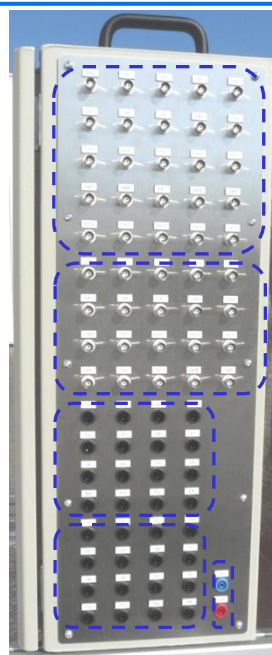


References

- ✓ RC31: PLC Module with PID and Touch Panel (S7-1500 version with 8E/8S On/Off + 24 EANA of which 4 HART - 20 SANA + Ethernet TCP/IP)
- ✓ RM13: Option - 0/4-20 mA Current Loop Calibrator



Left view



Right view