

Item No.: SO4204-3E

Course - Process technology: IPA 1 Compact station

Includes:

- 1 Experiment card containing CPU with PLC functionality and PROFIBUS-DP master interface, 8 digital inputs with simulation switches and status LED, 8 digital outputs with status LED connected via 2mm socket, 8 analog inputs with 10-bit resolution, 4 analog outputs, potentiometer for simulating analog inputs, selectable levels for digital signals 5/24V DC, level for analog signals 0-10V, external PROFIBUS devices may also be connected
- IMS system connection card
- CD-ROM with Labsoft browser and course software

Course content:

- Principle design of analog sensors
- Principles of closed-loop controls
- Programming your own controller
- Experiment-based determination of PID controller parameters
- Automatic liquid level control
- Automatic pressure control
- Automatic flow-rate control
- Automatic temperature control with two-point controller
- Course duration: approx. 8 h

