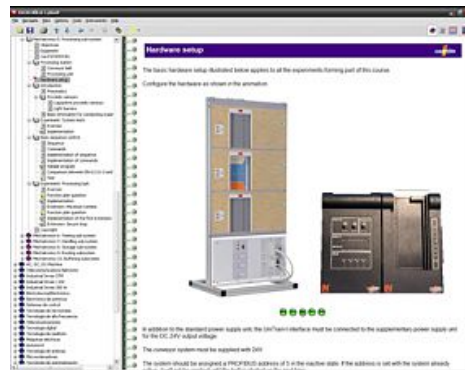# Course - Automation Technology 2: PLC model lift application

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

- CD-ROM with Labsoft browser and course software

Additionaly required for course:

- Model lift with three storeys LM9545

- Illuminated call button for each storey

- Three illuminated floor selection buttons in the lift cage itself

- Direction indicators on each storey and in the lift cage

- 7-segment floor indicators

- Safety mechanism to prevent crushing of fingers by plexiglass front

Course contents:

- Manual control for motors

- Detection of sensor signals

- Lift control for two storeys

- Lift control for three storeys

- Lift control with door opening/closing

- Introduction to automatic stop functionality plus programming

- Course duration: 4 h approx.