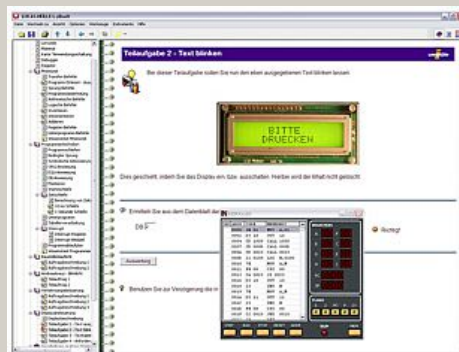Item No.: SO4204-6J

Course - Microcomputer technology 2: Applications and programming

Includes:

- 1 Experiment card with integrated development environment and plexiglass cover

- Programmable LCD display

- Applied circuit: crossroads with traffic lights

- 8 digital input/outputs with status LED

- 4 buttons and 4 switches for programming

- LDR and controllable LED for application program

- 40-pin extension interface

- CD-ROM with Labsoft browser and course software

Course contents:

- Operation of program editor

- Understanding and writing assembler programs

- Designing and running input programs

- Investigation of running programs

- Programming counters and loops

- Creating programs for alpha-numeric display output

- Debugging programs

- Programming sub-routines and interrupts

- Programming and analysing traffic light control

- Creating programs to process analog variables

- Writing programs for serial data transmission

- Introduction to techniques for error analysis and their application

- Course duration 8 h approx.