

Item No.: SO4204-8A

Course - Measurement technology 1: Electric values $V/I/P/\cos\phi/f$

Includes:

- 1 Experiment card for measuring current and voltage with supplementary circuits for additional measuring ranges, moving coil galvanometer and resistive, capacitive and inductive test loads.
- 1 Experiment card with power, phase and frequency measurement circuits, frequency is displayed via 2 7-segment displays, with plexiglass cover
- CD-ROM with Labsoft browser and course software

Course contents:

- Understanding the functional principles of measuring instruments
- Explain the difference between deflection and bridge methods
- Explain the difference between digital and analog methods
- Explain the difference between moving core and moving coil galvanometers
- Understanding the functional principles of electrodynamic measuring instruments
- Extending measuring ranges for current and voltage measurement
- Understanding the principles of power measurement
- Measuring effective, apparent and reactive power
- Understanding the principles of power factor measurement
- Measuring power factors
- Introduction to the principle for measuring work
- Measuring electrical work
- Introduction to the principles
- Understanding the principles of frequency measurement
- Course duration 5 h approx.

