

Item No.: SO4204-7P

## Course - Power electronics 3: Frequency converter drives

### Includes:

- 1 Experiment card with DC link, charging circuit for DC link capacitors and braking chopper
- CD-ROM with Labsoft browser and course software

### To conduct this course the following are also needed:

Power electronics course 2: Self-commutated converters (SO4204-7M)

Electrical machines course 2: 3-phase machines (SO4204-7T)

### Course contents:

- Introduction to the design of modern frequency converters
- Introduction to generating DC link voltage
- Introduction to V/f characteristic and boost
- Recognising the need for speed ramps
- Operating 3-phase motors with frequency converters
- Introduction to the design and function of braking choppers
- Introduction to "87-Hz technology"
- Recording and analysis of current, voltage and power
- Course duration 5 h approx.

