

Item No.: SO4204-5P

Course - Electronics 6: Power semiconductor devices

Includes:

- 1 Experiment card with various power electronics components and load connected via 2-mm sockets
- CD-ROM with Labsoft browser and course software

Course contents:

- Introduction to the design and function of thyristors
- Introduction to the design and function of triacs
- Introduction to the design and function of MOSFETs
- Introduction to the design and function of IGBTs
- Investigation of a thyristor circuit by measurement: load response, conducting, non-conducting and transmission response
- Investigation of a triac circuit by measurement: load response, conducting, non-conducting and transmission response
- Determining the threshold voltage of a MOSFET by measurement
- Investigating the switching and power response of a MOSFET
- Determining the threshold voltage of an IGBT by measurement
- Investigating the switching and power response of an IGBT
- Course duration 2 h approx.

