

Item No.: CO4205-4F

Course Transmission of signals via optical fibres 1300 nm

Includes:

- Experiment card "Transmitter / Receiver 1300 nm"
- Optical fiber cables
- Hand tools
- Accessories
- CD-ROM with course

Course contents:

- Glass fiber optics
 - Fiber optic cable construction
 - Production of fiber optic cable
 - Multi-mode fibres vs mono-mode fibres
 - Wavelength
 - Numerical aperture
 - Attenuation
 - Dispersion
- Cable and connector types
 - Cables
 - Connectors
 - PC vs UPC vs APC
- Optical transmitter and receiver
 - Precautions for use with lasers
 - Transceiver module for 1300 nm, mono-mode
 - Transceiver module for 1300 nm, multi-mode
- Applications layer
 - Pulse-Code-Modulation
 - CODEC
- Experiments
- Course duration: app. 4 h