

## Course Coaxial cables

### Includes:

- Experiment card "RLC-measuring bridge"
- Experiment card "Pulse generator"
- Experiment module with 20 m / 40 m / 60 m coaxial cables
- Different terminators
- Coaxial cable accessories
- CD-ROM with browser and course software

### Course contents:

- Introduction to the concepts resistance, capacitance and inductance per unit length and characteristic impedance of a coaxial cable
- Determining the resistance per unit length of a coaxial cable using a Wheatstone bridge
- Determining the capacitance per unit length of a coaxial cable using a Wien bridge
- Determining the inductance per unit length of a coaxial cable using a Maxwell bridge
- Determining the surge impedance of a coaxial cable
- Investigation of reflections in a coaxial cable depending on termination
- Predicting the response of a cable when incorrectly terminated
- Proper termination of a cable to eliminate reflection
- Course duration 4 h approx.

