

Course Pulse modulation methods PWM, PPM

Includes:

- 1 Experiment card with PWM modulator and demodulator; tunable demodulator filter frequency
- 1 Experiment card with PPM modulator and demodulator; access to internal signals in the demodulator via 2 mm sockets
- Labsoft browser and course software

Course contents:

- Introduction to the principles of pulse-width modulation (PWM) and pulse-width demodulation
- Recording the signal characteristic at the output of a pulse width modulator
- Investigation of the output signal from a PWM demodulator
- Investigation of the demodulated signal with relation to the bandwidth of the input signal
- Listing the advantages and disadvantages of PWM
- Introduction to the principle of pulse-position modulation (PPM) and demodulation
- Recording the change in signal at the output of a pulse-position modulator
- Measurement of signal internal to a demodulator over time
- Listing the advantages and disadvantages of PPM
- Course duration 2 h approx.

