

Item No.: SO4204-9B

Course Active filter with operational amplifiers

Includes:

- 1 Experiment card with active low-pass 2-nd and 4-th order
- 1 Experiment card with active high-pass 2-nd and 4-th order
- 1 Experiment card with active band-pass and band-cut 2-nd order
- Multimeter Multi 18S
- CD-ROM with Labsoft and course software
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Course contents:

- Definition filter. Passive and active filter
- Bode plot
- Types of filters. High-pass, low-pass, band-pass and band-cut
- Order, slope, maxphase shift
- Tolerance pattern. Upper and lower cut-off frequency, attenuation
- Filter approximations. Bessel-, Butterworth- and Tshebysheff-filter
- Characteristic in the time domain. Delay time, rise time, transitive zone, stationary zone
- Low-pass and high-pass filter 2-nd order
- Low-pass and high-pass filter 4-th order
- Band-pass and band-cut 2-nd order
- Course duration: 5,0 h approx.
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