

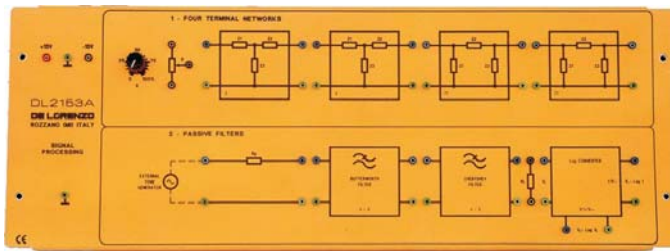


ELECTRONICS FOR TELECOMMUNICATIONS

Basic and Analogue Communications



Basic Telecommunications

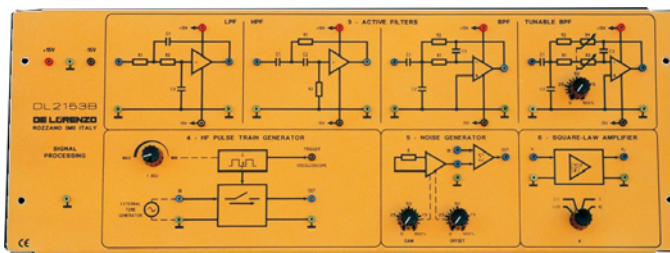


Technical features

The system is composed of:

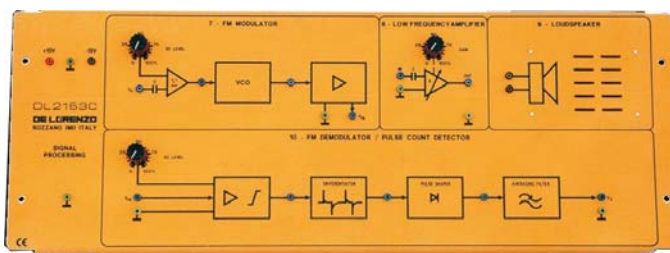
DL 2153A passive networks

The board includes T and π resistive networks and Butterworth and Chebyshev passive filters of the 3rd order. Complete with F/V logarithmic converter. Power supply: ± 15 Vdc, 300 mA



DL 2153B active filters

The board includes low-pass, high-pass and band-pass active filters. Complete with high frequency pulse generator, noise generator and square law amplifier. Power supply: ± 15 Vdc, 300 mA



DL 2153C FM modulator-demodulator

The board includes an FM modulation/demodulation system. Complete with low frequency amplifier and loudspeaker. Power supply: ± 15 Vdc, 300 mA

DL 2153

Examples of performable exercises

- 4 terminals passive networks: recording of the Z parameters
- passive filters
- transfer characteristics
- active filters, type LP, HP, BP
- transmission of signals on limited band transmission media: concepts of spectrum, transmission speed, interference between symbols
- noise in telecommunications systems
- Introduction to modulation: frequency modulation