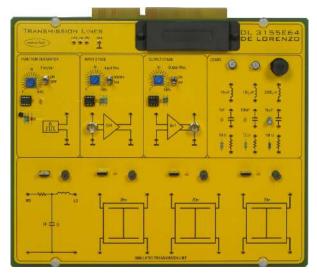




## **TRANSMISSION LINES**



DL 3155E64

## THEORETICAL TOPICS

- Introduction to fibre optics communication
- Attenuation
- Numerical openings
- Propagation methods
- Transmitted power specifications
- Chromatic and modal dispersion
- Cable attenuation specifications
- Received power specifications
- Time division (TDM) and wave length division(WDM) transmission

## The design and construction of electronic circuits to solve practical problems is an essential technique in the fields of electronic engineering and computer engineering.

With this board the student can study and test the physical principles of the propagation of electrical signals on transmission lines and it can be an introduction to the use of the lines as a main element in communications systems.

## **CIRCUIT BLOCKS**

- Function generator
- Input and output stages
- RLC simulated coaxial cable transmission line of 80m (4\*20m)
- R L C loads

Additional modules for coaxial cable measurements:

- Bridge circuits for RLC measurement (DL 3155E64A1).
- Coaxial cable module (DL 3155E64A2).

Complete with theoretical and practical manual. Dimensions of the board: 297x260mm

