

Product Name :
Transmission Lines Training Kit

Product Code :
SH154



Description :

Transmission Lines Training Kit

Technical Specification :

Transmission Lines Training Kit

In telecommunications transmission lines are used to convey signals from one point to another. The line properties become very important especially in multi-channel systems.

The TLT is a unique design for experimenting with various properties of a transmission line. The unit provides the basic concepts of a coaxial line and includes all devices and accessories required to conduct the experiments.

Experiments:

Measuring the Characteristics of a Line

Measuring the Input Impedance of the Line

Measuring the Attenuation of a Line

Phase Displacement between the Current and voltage at input of a Line

Frequency characteristic of the Line

Stationary Waves

Signal Phase Shift along the Line

Fault Localization within the Line

Line under Pulsed condition

Specification:

Components to be included in the kit

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

Coaxial cable module

Complete with theoretical and practical operational manual

Student Navigator software that allows students to perform their learning activities through a Personal Computer, without the need for any other documentation

Base frame with power supply (completed with connecting cables)

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