

**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)

## Naugralabequipments

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