

Product Name :
Transmission Lines

Product Code :
ES748



Description :

Transmission Lines

Technical Specification :

In the telecommunication field transmission lines are used to convey the signals from one point to another. The line properties become very important specially in multi-channel systems. Transmission line trainer is unique in design for experimenting various properties of the line. The trainer provides basic concept of coaxial line and include devices and accessories to conduct the experiment. Didactic equipment with panels made in metal case with bench support and the electrical scheme on the front panel. This trainer designed to guide the student to the comprehension and testing of the physical principles of the propagation of electrical signals on transmission lines and as an introduction to the use of the lines as a main element in communications systems. This trainer includes the devices and accessories required for realizing significant experiences on low frequency transmission lines. These devices and accessories allow the student to acquire a clear and essential sight of the items related to the signal transmission along the lines.

Technical features:

The trainer composed of a module with 100 meters of coaxial cable with intermediate plugs, every 25 meters, and with termination variable resistors. With this trainer it possible to perform the following experiments:
Measuring the characteristics of a line

Measuring the attenuation of a line
Frequency characteristic of the line
Input impedance of the line
Stationary waves
Signal phase shift along the line
Fault localization within the line
Line in pulsed condition

It mounted on an insulated didactic module, it show a schematic diagram and 2 mm terminals for the electrical connection

The board supplied complete with a set of stackable, plug-in cables of suitable lengths and colors and with a training manual.

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