



Experimental Training Board has been designed specifically to study the voltage distribution along L.C. Transmission line in the form of an Artificial Transmission line. It also helps students to study Ferranti effect, distortion-less line and velocity of propagation.

Object:

To study voltage distribution along L.C. Transmission line :

01. Voltage distribution along open circuit line.
02. Voltage distribution along short circuit line.
03. Study of Ferranti effect.
04. Study of distortion-less line.
05. Velocity of propagation.

Features:

The board consists of the following built-in parts :

01. Artificial Transmission Line, consisting of 20T sections. Each section contains two R.F. chokes and one condenser with connections brought out on terminals on the front panel.
02. 16 metal connectors for connections between terminals.
03. Adequate no. of patch cords stackable from rear both ends 4mm spring loaded plug length ½ metre.
04. Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections/ observation of waveforms.
05. Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.
06. **Weight** : 5 Kg. (Approx.)
07. **Dimension** : W 400 x H 130 x D 300

Other Apparatus Required:

- * V.T.V.M.
- * Decade Audio Frequency Generator
- * Decade Resistance Box
- * Cathode Ray Oscilloscope 20MHz

Note: Specifications are subject to change.