



Experimental Training Board has been designed specifically for the study of R.C. Transmission Line at 50Hz. The variation in magnitude and phase of the voltage after every section can be studied for different input voltages at 50 Hz. One will observe the phase shift of almost 2π in 20 sections.

Practical experience on this board carries great educative value for Science and Engineering Students.

Object:

01. To study R-C Transmission Line at 50Hz.
02. To draw a curve, showing the variation of magnitude and phase of the Voltages along the R.C. ladder network and to find the Attenuation.

Features:

The board consists of the following built-in parts :

01. A.C. step down transformer having secondary tapings at 50,100 and 200V at 200mA.
 02. 20T sections of R & C brought out on sockets for connections.
 03. Mains ON/OFF switch, Fuse and Jewel light.
- * The unit is operative on $230V \pm 10\%$ at 50Hz A.C. Mains.
 - * Adequate no. of patch cords stackable from rear both ends 4mm spring loaded plug length $\frac{1}{2}$ metre.
 - * Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections/observation of waveforms.
 - * Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

Other Apparatus Required:

- * Digital Multimeter $3\frac{3}{4}$ digit

Note: Specifications are subject to change.

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