



Experimental Training Board has been designed specifically for the study of Fourier Analysis. In electronics, we deal with signals which are not simple Sine Waves. They are composed of a number of Frequencies and their description is quite complex. However, any complex signal may be represented as a sum of simple Sine or Cosine waves. The mathematical tool that helps us in this type of analysis is called the Fourier theorem.

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

Object: To Study of Fourier Analysis.

To determine the Fourier component of :

01. A square wave.
02. A clipped sine wave.

FEATURES

The board consists of the following built-in parts:

01. Inductor and Diode with binding posts.
 02. SPDT switch for selecting modes.
 03. Adequate no. of other electronic components.
- * Adequate no. of patch cords stackable from rear both ends 4mm spring loaded plug length ½ 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.
 - * Weight : 3 Kg. (Approx.)
 - * Dimension : W 340 x H 110 x D 210

Other Apparatus Required:

- * A.C. Millivoltmeter
- * Sine, Square wave Oscillator
- * Cathode Ray Oscilloscope 20MHz

Note: Specifications are subject to change.

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