



Experimental Training Board has been designed specifically for the study of Transistor Feedback Amplifier.

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

Object:

01. To observe the gain of the amplifier at 1 KHz with and without negative feed back in the emitter circuit and external feed back network disconnected.
02. To observe the variation of the gain of the amplifier with different amount of feed back in the external circuit at 1 KHz.
03. To measure the input and output impedances of the feed back amplifier.
04. To observe the overload characteristics.

Features:

The board consists of the following built-in parts :

01. +9V D.C. at 100mA, IC Regulated Power Supply internally connected.
 02. Two stage transistor amplifier.
 03. 1 KHz fixed solid state sine wave oscillator with 0-1V output amplitude control.
 04. Feed Back network consisting of ten resistances, each selected by a band switch and a fixed feed back capacitor.
 05. Adequate no. of other electronic components.
 06. 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 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:

- * Decade Resistance Box
- * A.C. Millivoltmeter
- * Cathode Ray Oscilloscope 20MHz

Note: Specifications are subject to change.

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