



Experimental Training Board has been designed specifically to study the Transistor input and output Characteristics in different modes i.e. Common Base, Common Emitter and Common Collector. This Training Board is an improved version with Germanium NPN & PNP transistors in addition to Silicon NPN & PNP transistors and four meters. The board is absolutely self contained and requires no other apparatus.

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

**Object:**

To study and plot the Transistor input and output Characteristics in the following configurations :

01. Common Emitter Mode.
02. Common Base Mode.
03. Common Collector Mode.
04. Transfer Characteristics of Transistor

**Features:**

The board consists of the following built-in parts :

01. Two 0-10V DC at 50mA, continuously variable Power Supplies for Base Emitter & Collector Emitter junctions.
  02. Two Digital Voltmeter DC 3½ Digit having Dual range of 2V / 20V.
  03. Two Digital Current meter DC 3½ Digit having Dual range of 200mA / 20mA
  04. Two silicon (NPN & PNP) transistors and two Germanium (NPN & PNP) transistors.
  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 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.

Note: Specifications are subject to change.

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