



Experimental Training Board has been designed specifically for the study of Light Emitting Diodes (LED's). The application of an LED as a seven segment display is experimentally explained. 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:

01. To understand the operation of an LED :
 - (a) On D.C. Voltage
 - (b) On A.C. Voltage
02. To plot and study the forward voltage current characteristics of different colour discrete LEDs.
03. To practically understand the operation of a seven segment LED display.

Features:

The board consists of following built-in parts :

01. +9V D.C. at 100mA, IC regulated Power Supply.
 02. 12V A.C. at 100mA, Power Supply.
 03. Digital Voltmeter DC 3½ Digit range of 2V.
 04. Digital Current meter DC 3½ Digit having Dual of 20/200mA
 05. Red, Green, Yellow and Bicolour discrete LEDs.
 06. Seven segment common anode LED display.
 07. Wire wound potentiometer and adequate no. of other electronic components.
 08. 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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