



Experimental Training Board has been designed specifically to study Voltage Regulator IC 723. This Training Board gives a thorough understanding of the basic parameters of IC 723, their measurement and also covers useful applications of this regulator IC. 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 study and measure the following parameters of IC 723 :
 - 1.1 Load Regulation.
 - 1.2 Line Regulation.
- 02. To study the following applications :
 - 2.1 Low voltage regulator circuit 2 to 7V.
 - 2.2 High voltage regulator circuit 7 to 27V.
 - 2.3 Voltage regulator with increased current capability using external NPN power transistor.
 - 2.4 Voltage regulator with increased current capability using external PNP power transistor.
 - 2.5 Voltage regulator with fold back current limiting.
 - 2.6 Negative voltage regulator.

Features:

The board consists of the following built-in parts :

- 01. 0-35V D.C. at 250mA, continuously variable unregulated Power Supply.
- 02. D.C. Milliammeter, 65mm Rectangular dial with switch selectable ranges of 50mA and 250mA.
- 03. D.C. Voltmeter, 65mm rectangular dial with switch selectable ranges of 10V and 40V.
- 04. IC 723 fitted on base.
- 05. Three Potentiometers.
- 06. Electronic load.
- 07. NPN Power transistor.
- 08. PNP Power transistor.
- 09. Adequate no. of other electronic components.
- 010. 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 2mm 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.

Note: Specifications are subject to change.

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