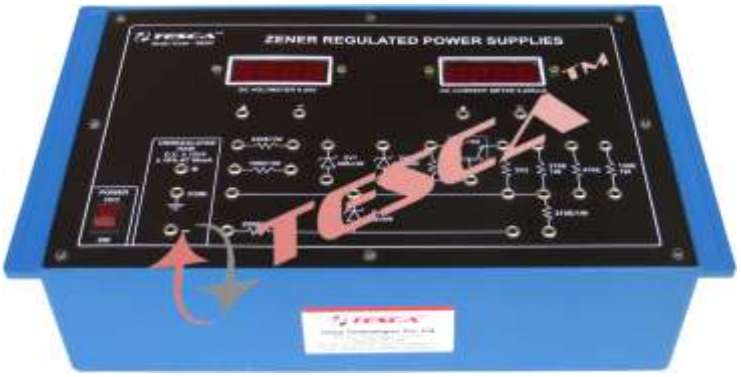

Experimental Training Board has been designed specifically for the study of regulated power supplies based on Zener Voltage regulating diodes. A Zener diode is generally employed in a standard circuit as a voltage regulator. This training board deals with some more possible voltage regulating circuits apart from the standard one. 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 the standard zener diode voltage regulated power supply.
02. To study the zener diode voltage regulated supply having two zener diodes in series.
03. To study a dual polarity voltage regulated supply employing two zener diodes.
04. To study a zener diode voltage regulated supply employing a series pass transistor for increasing the output current capability of the circuit.

Features:

The board consists of following built-in parts :

1. ± 12V5 ± 10% at 50mA, unregulated D.C. Voltage.
2. D.C. Voltmeter, 65mm rectangular dial to read 0-15V.
3. DC Milliammeter, 65mm rectangular dial to read 0-50mA.
4. NPN Transistor.
5. Three zener diodes.
6. Adequate no. of other electronic components.
7. Mains ON/OFF switch, Fuse and Jewel light.

* The unit is operative on 230V ±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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