



Experimental Training Board has been designed specifically for the study on Under Voltage Monitoring using OPAMP IC 741. This Training Board gives a better understanding of the detection of input voltage when going below the specified range.

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

Object:

To Study the under voltage state of AC mains with LED indication using OP-AMP as a closed loop Comparator in hysteresis operation.

Features:

The board consists of the following built in parts:

01. $\pm 15V$ D.C. at 50mA, IC regulated power supply internally connected.
 02. $+ 10V$ D.C. at 50mA, IC regulated power supply internally connected.
 03. OP-AMP, IC 741.
 04. LEDs for visual indication of status.
 05. Relay.
 06. Adequate no. of Electronic Components.
 07. 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 $\frac{1}{2}$ 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:

- * Single phase Variac 0 to 230V, 1A.

Note: Specifications are subject to change.

Tesca Technologies Pvt. Ltd.

IT-2013, Ramchandrapura Industrial Area, Sitapura Extension,
Near Bombay Hospital, Vidhani Circle, Jaipur-302022, Rajasthan, India,
Tel: +91-141-2771791 / 2771792; Email: info@tesca.in, tesca.technologies@gmail.com
Website: www.tesca.in

