



Experimental Training Board has been designed specifically for the study of Zero Crossing Detector using OP-AMP ICs 741. This Training Board is designed to have a better understanding of the generation of output pulses whenever input waveform crosses zero reference.

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

Object:

To generate synchronized pulses whenever A.C. Mains crosses zero line using Comparator, RC Differentiating Circuit etc.

Features:

The board consists of the following built in parts:

01. 10V p-p fixed A.C. at 50 Hz.
 02. $\pm 15V$ D.C. at 50mA, IC regulated power supply internally connected.
 03. Two OP-AMP ICs 741.
 04. Adequate no. of Electronic Components.
 05. 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 4 mm 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:

- * Dual Trace Cathode Ray Oscilloscope 20MHz

Note: Specifications are subject to change.

Tesca Technologies Pvt. Ltd.

305, Taru Chhaya Nagar, Tonk Road, Jaipur-302029, India
Tel: +91-141-2724326, Mob: +91-9413330765
Email: info@tesca.in, tesca.technologies@gmail.com
Website: www.tesca.in