



Experimental Training Board has been designed specifically to study the characteristics of a Crystal Detector. 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:** Study of a Crystal Detector.

01. To study the variation of output current  $I$  and applied signal  $V$ ...
02. To study the effect of load resistance on efficiency of detection.
03. To study the effect of capacitance on efficiency of detection.

**Features:**

The board consists of the following built-in parts :

01. 0-9V A.C. at 10mA, continuously variable Power Supply.
  02. A.C./D.C. Voltmeter, 65 mm rectangular dial to read. 0-10V.
  03. D.C. Milliammeter, 65 mm rectangular dial to read. 0-1 mA.
  04. One Crystal Detector.
  05. Adequate no. of other electronic components.
  06. 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.

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