



Experimental Training Board has been designed specifically for the study of Complementary Symmetry Transistor Power Amplifier. This training board is quite useful for measuring D.C. bias current and observation of waveforms.

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

**Object:**

To study the complementary symmetry transistor power amplifier.

01. To measure the D.C. Voltage at certain test points with signal and without signal.
02. To measure the D.C. bias current (with and without signal) and also to measure the idling current.
03. To measure input and output impedances and power gain.

**Features:**

The board consists of the following built-in parts:

1. +9V D.C. at 100 mA, IC regulated Power Supply internally connected.
  2. D.C. Milliammeter, 65 mm rectangular dial with switch selectable ranges of 5mA and 50mA.
  3. Three Transistors for amplifier construction.
  4. Adequate no. of other electronic components.
  5. 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:**

- \* Decade Audio Frequency Generator
- \* A.C. Millivoltmeter
- \* A.F. Output Power Meter
- \* Decade Resistance Box
- \* Digital Multimeter 3 $\frac{3}{4}$  digit
- \* 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