



OMEGA TYPE ETB-60 Experimental Training Board has been designed specifically to study the Transistor Bias Stability.

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

OBJECT

- 01 To study the leakage current variation with temperature.
- 02 To see the shift in Q point at different operating temperatures.
- 03 To see the effect of temperature on stability of an amplifier.
- 04 To see the distortion in a single stage amplifier as a result of change in Q point.

FEATURES

The board consists of the following built-in parts :

- 01 -12V D.C. at 20mA, regulated Power Supply internally connected.
- 02 Oscillator, 1KHz fixed frequency with amplitude control.
- 03 Digital Voltmeter DC 3½ Digit having range of 20V.

- 04 Digital Current meter DC 3½ Digit having Dual range of 20uA/20mA
- 05 Oven, Electrically heated, to change temperature of the transistor.
- 06 PNP transistor.
- 07 Thermometer 0-110 °C.
- 08 Adequate no. of other electronic components.
- 09 Mains ON/OFF switch, Fuse and Jewel light.
- 10 The unit is operative on 230VAC ±10% at 50Hz.
- 11 Adequate no. of patch cords stackable from rear both ends 4mm spring loaded plug length 50cm.
- 12 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections / observation of waveforms.
- 13 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.
- 14 Weight : 4.800 Kg. (Approx.)
- 15 Dimension : W 415 x H 165 x D 315

OTHER APPARATUS REQUIRED

- 01 Dual trace CRO 20MHz OMEGA TYPE CRO-20

We are committed to the continuous development of our products, and therefore reserve the right to amend specifications without prior notice.

OMEGA ELECTRONICS