



OMEGA TYPE ETB-56 Experimental Training Board has been designed specifically for the study of Transistor Feedback Amplifier.

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

OBJECT

- 01 To observe the gain of the amplifier at 1 KHz with and without negative feed back in the emitter circuit and external feed back network disconnected.
- 02 To observe the variation of the gain of the amplifier with different amount of feed back in the external circuit at 1 KHz.
- 03 To measure the input and output impedances of the feed back amplifier.
- 04 To observe the overload characteristics.

FEATURES

The board consists of the following built-in parts :

- 01 +9V D.C. at 100mA, IC Regulated Power Supply internally connected.
- 02 Two stage transistor amplifier.
- 03 1 KHz fixed solid state sine wave oscillator with 0-1V output amplitude control.

- 04 Feed Back network consisting of ten resistance, each selected by a band switch and a fixed feed back capacitor.

- 05 Adequate no. of other electronic components.
- 06 Mains ON/OFF switch, Fuse and Jewel light.
- 07 The unit is operative on 230VAC $\pm 10\%$ at 50Hz.
- 08 Adequate no. of patch cords stackable from rear both ends 4mm spring loaded plug length 50cm.
- 09 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections / observation of waveforms.
- 10 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

- 11 Weight : 2.200 Kg. (Approx.)
- 12 Dimension : W 340 x H 125 x D 210

OTHER APPARATUS REQUIRED:

- 01 Decade Resistance Box
OMEGATYPE DRBC-115L
- 02 A.C. Millivoltmeter OMEGATYPE ACV-25
- 03 Dual trace CRO 20MHz OMEGATYPE 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