



**OMEGA TYPE ETB-247** Experimental Training Board has been designed specifically for the study of Audio Amplifier using LM-380. Practical experience on this board carries great educative value for Science and Engineering student.

#### OBJECT

- 1 To measure the voltage gain ( $A_v$ ) of audio amplifier.
- 2 To plot the frequency response characteristics of audio amplifier.
- 3 To find out the input impedance of the audio amplifier.
- 4 To find out the output impedance of the audio amplifier.
- 5 To find out the current gain of the audio amplifier.
- 6 To find out the power gain of the CE amplifier.

#### FEATURES

The board consists of following built in parts:

- 01 15V DC at 50mA, IC regulated power supply internally connected.
- 02 Audio power amplifier IC LM-380.
- 03 decade resistance box three dial 30 steps 1E, 1K, 10K per step total resistance 110010 Ohms
- 04 Adequate no. other electronic components.
- 05 Mains ON/OFF switch, Fuse and Jewel light.
- 06 The unit is operating on 230VAC  $\pm 10\%$  at 50Hz
- 07 Adequate no. of patch cords 4mm length 50cm.
- 08 Weight : 1.500Kg.
- 09 Dimension : W340 x H 125 x D210mm
- 10 Good quality, reliable terminal/ sockets are provided at appropriate places on panel for connections/ observation of waveform.

#### OTHER APPARATUS REQUIRED:

- 01 Function Generator OMEGA TYPE FG-322
- 02 Cathode Ray Oscilloscope 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