

**TRANSISTOR AUDIO AMPLIFIER WITH  
POWER SUPPLY AND DIFFERENT LOADS**  
OMEGA TYPE ETB-160



**OMEGA TYPE ETB-160** Experimental Training Board has been designed specifically for the study of single stage Transistor Audio Amplifier with three different loads.

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

**OBJECT**

- 01 To measure the voltage gain of single stage (C.E.) R.C. coupled transistor audio amplifier.
- 02 To plot the frequency response characteristics of single stage (C.E.) R.C. coupled transistor audio amplifier with three different loads (resistive, inductive and transformer)
  - 2.1 Resistive Load
  - 2.2 Inductive Load
  - 2.3 Transformer Load
- 03 To find out the input impedance of single stage (C.E.) R.C. coupled transistor audio Amplifier.
- 04 To find out the output impedance of single stage (C.E.) R.C. coupled transistor audio Amplifier.

**FEATURES**

The board consists of the following built-in parts:

- 01 +12V D.C. at 100mA, IC regulated Power Supply internally connected.
- 02 NPN transistor.
- 03 Audio Output transformer.
- 04 Adequate no. of other electronic components.
- 05 Mains ON/OFF switch, Fuse and Jewel light.
- 06 The unit is operative on 230VAC  $\pm 10\%$  at 50Hz.
- 07 Adequate no. of patch cords stackable 4mm spring loaded plug length 50cm.
- 08 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections / observation of waveforms.
- 09 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.
- 10 Weight : 3 Kg. (Approx.)
- 11 Dimension : W 340 x H 125 x D 210

**OTHER APPARATUS REQUIRED :**

- 01 AF Sine Wave Generator OMEGA TYPE AO-300
- 02 A.C. Millivoltmeter OMEGA TYPE ACV-25
- 03 Decade Resistance Box  
OMEGA TYPE DRBC-115L
- 04 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**

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