



OMEGA TYPE ETB-50 Experimental Training Board has been designed specifically to study the characteristics of a Pentode. The board is absolutely self contained and requires no other apparatus.

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

OBJECT

- 01 To obtain plate and mutual characteristics of a given pentode.
- 02 To calculate tube constants from the characteristics.
 - 2.1 Plate Resistance (r_p)
 - 2.2 Trans conductance (g_m)
 - 2.3 Amplifier Factor (μ)

FEATURES

The board consists of the following built-in parts :

- 01 0-200V D.C. at 60mA, continuously variable regulated Power Supply.
- 02 0-100V D.C. at 30mA, continuously variable regulated Power Supply.
- 03 0 - ± 10 V D.C. at 10mA, continuously variable regulated Power Supply for bias.
- 04 6V3AC at 600 mA for Filament.
- 05 Digital D.C. Voltmeter range $3\frac{1}{2}$ digit range 0- 20V.
- 06 Digital D.C. Current meter $3\frac{1}{2}$ digit range 0-200mA.
- 07 Digital D.C. Voltmeter $3\frac{1}{2}$ digit range 0-200V
- 08 Adequate no. of other electronic components.
- 09 Mains ON/OFF switch, Fuse and Jewel light.
- 10 The unit is operative on 230VAC $\pm 10\%$ at 50Hz.
- 11 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections / observation of waveforms.
- 12 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.
- 13 Weight : 6.600 Kg. (Approx.)
- 14 Dimension : W 415 x H 165 x D 315

LIST OF ACCESSORIES:

- 01 Patch cords 4mm length 50cm Red.....05
- 02 Patch cords 4mm length 50cm Black.....06

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

OMEGA ELECTRONICS