



OMEGA TYPE ETB-49 Experimental Training Board has been designed specifically to study the characteristics of Vacuum Triodes. 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 Plot the static characteristics of a triode.
 - 1.1 To plot the Plate characteristics of a triode.
 - 1.2 To plot the mutual characteristics of a triode.
- 02 To determine the co-efficient of the triode valve and its characteristics.
 - 2.1 Trans Conductance (g_m)
 - 2.2 Plate Resistance (r_p)
 - 2.3 Amplification Factor (μ)

FEATURES

The board consists of the following built-in parts :

- 01 A valve with 9 Pin base fixed on panel and wired internally.
- 02 0-300V D.C. at 30mA, continuously variable Power Supply for plate Voltage.
- 03 6.3V A.C. at 600mA for filament.

- 04 0 - ± 10 V D.C. at 30mA, continuously variable Power Supply for bias.
- 05 Digital D.C. Voltmeter with selectable switch 0-200V/1000V.
- 06 Digital D.C. Currentmeter with selectable switch 0- 20mA/200mA.
- 07 Digital D.C. Voltmeter range 0- 20V.
- 08 Adequate no. of other electronic components.
- 09 Mains ON/OFF switch, Fuse and Jewel light.

GENERAL FEATURES

- 01 The unit is operative on 230VAC $\pm 10\%$ at 50Hz.
- 02 Adequate no. of patch cords stackable from rear both ends 4mm spring loaded plug length 50cm.
- 03 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections/ observation of waveforms.
- 04 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.
- 05 Weight : 4.700 Kg. (Approx.)
- 06 Dimension : W 415 x H 165 x D 315

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

OMEGA ELECTRONICS