



36162 Experimental Training Board has been designed specifically to study the characteristics of Tetrode. 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 draw the characteristics of the given Tetrode.
02. To calculate the negative resistance from the graphs plotted.

Features:

The board consists of the following built-in parts :

01. 0-250V D.C. at 10mA, continuously variable regulated Power Supply.
02. 0-100V D.C. at 5mA, continuously variable regulated Power Supply.
03. 0-5V D.C. at 5mA, continuously variable regulated Power Supply.
04. D.C. Voltmeter, 65mm rectangular dial to read 0-250V D.C. to read plate voltage.
05. D.C. Milliammeter, 65mm rectangular dial to read 0-10mA D.C. to read plate current.
06. D.C. Meter, 65mm rectangular dial with rotary switch selectable voltage range of 0-100V D.C. and current range of 0-5mA.
07. D.C. Voltmeter, 65mm rectangular dial to read 0-5V D.C. for bias.
08. A valve with base fixed on the panel and wired internally.
09. Adequate no. of other electronic components.
10. Mains ON/OFF switch, Fuse and Jewel light.
11. Dimension (W x H x D) : 400 x 300 x 165 mm
12. Weight : 4.5 Kg Approx.
13. The unit is operative on 230V $\pm 10\%$ at 50Hz A.C. Mains.
14. Adequate no. of patch cords stackable from rear both ends 4mm spring loaded plug length $\frac{1}{2}$ metre.
15. Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections / observation of waveforms.
16. Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

Note: Specifications are subject to change.