



36297 Experimental training board has been designed specifically to study of the Critical Potentials of an atomic gas filled in electronic valve.
Practical experience on this board carries great educative value for Science and Engineering Students.

Object :

To study Critical Potentials of an atomic gas filled in electronic valve.

1. Determination of Excitation Potential of an atomic gas filled in electronic valve.
2. Determination of Ionization Potential of an atomic gas filled in electronic valve.

Features

The board consists of the following built-in parts :

1. A directly heated tetrode valve with base fixed on panel.
2. 1V5 D.C. at 20mA, IC regulated Power Supply.
3. 0 - 20V D.C. at 20mA, continuously variable regulated Power Supply.
4. Digital Voltmeter 3½ digit having range 20V D.C.
5. 6V3 A.C. at 600mA, for filament
6. Adequate no. of other electronic components.
7. Mains ON/OFF switch and fuse.
8. The unit is operative on 230V ± 10% at 50 Hz A.C. mains.
9. Good quality, reliable terminals/sockets are provided at appropriate places on panel for connections/observations of waveforms.
10. Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.
11. Weight : 3.100 Kg. (Approx.)
12. Dimension : W 340 x H 125 x D 210

List of Accessories:

- 01 Patch cords 4mm length 50 cm Red.....04.
- 02 Patch cords 4mm length 50 cm Black.....03.

Other Apparatus Required :

- 01 Digital Nanometer - Tesca Order Code - 16971

Note: Specifications are subject to change.

