



Experimental Training Board has been designed specifically to find the ionisation potential of mercury using gas filled diode. 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:

1. To find the ionisation potential of mercury using gas filled diode.

Features:

The board consists of the following built-in parts :

1. A gas filled (mercury vapour) diode.
2. Power supply IC regulated continuously variable and short circuit protected for plate voltage.
3. A.C. Power supply for filament
4. Digital D.C. Voltmeter, 3½ digit, 7 segment display
5. Digital D.C. Milliammeter, 3½ digit, 7 segment display
6. Resistance
7. The unit is operative on 230V \pm 10% at 50Hz A.C. Mains.
8. Adequate no. of patch cords stackable from rear both ends 4mm spring loaded plug length ½ metre.
9. Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections / observation of waveforms.
10. Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

Note: Specifications are subject to change.

