



Experimental Training Board has been designed specifically to study Thyatron Phase, Firing and DC Control characteristics. The unit is absolutely self contained and required no other apparatus.

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

Object:

01. To study and plot DC grid control characteristics (firing characteristics) of a Thyatron Tube.
02. To study and plot the phase control characteristics of a Thyatron.

Features:

The board consists of following built-in parts:

01. 0-150 V D.C. at 15 mA, continuously variable Power Supply for Anode supply.
 02. 0-5 V D.C. at 10mA, continuously variable Power Supply for Grid Supply.
 03. 100-0-100 V A.C. at 10mA, Power Supply for phase control characteristics.
 04. 6V3 A.C. at 600mA, Power Supply for filament.
 05. D.C. Voltmeter, 65mm rectangular dial with switch selectable ranges of 50V and 150V.
 06. D.C. Voltmeter, 65mm rectangular dial to read 0-5 V.
 07. D.C. Milliammeter, 65mm rectangular dial to read 0-10 mA.
 08. Decade Capacitors in step of 0.01 MFD for Phase Control characteristics.
 09. Thyatron Tube.
 10. Adequate no. of other electronic components.
 11. Mains ON/OFF switch, Fuse and Jewel light.
- * The unit is operative on 230V \pm 10% at 50Hz A.C. Mains.
 - * Adequate no. of patch cords stackable from rear both ends 4mm spring loaded plug length ½ metre.
 - * Good quality, reliable terminal/sockets are provided at appropriate places on panel for connections/ observation of waveforms.
 - * Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

Note: Specifications are subject to change.

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