Experimental Training Board has been specifically designed to study the characteristics of MOSFET (Metal Oxide Semiconductor Field Effect Transistor) and its use as an amplifier.

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

Object:

01. To determine experimentally the Drain characteristics of a given MOSFET.
02. To study the use of MOSFET as an amplifier and to measure its voltage gain in common source configuration.

Features:

The board consists of following built-in parts:

01. 0-15V D.C. at 50mA, continuously variable regulated Power Supply.
02. 0-4V D.C. at 10mA, continuously variable regulated Power Supply.
03. 0-1V D.C. at 10mA, continuously variable regulated Power Supply.
04. Digital Voltmeter DC 3½ Digit range of 20V.
05. Digital Current meter DC 3½ Digit range of 20mA.
06. Metal Oxide Semiconductor Field Effect Transistor (MOSFET).
07. Adequate no. of other electronic components.
08. Mains ON/OFF switch, Fuse and Jewel light.

* The unit is operative on 230V ±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.

Other Apparatus Required:

* Audio Frequency Generator
* A.C. Millivoltmeter
* Cathode Ray Oscilloscope 20MHz

Note: Specifications are subject to change.

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