



OMEGA TYPE ETB-78 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 DC Voltmeter 3½ Digit range of 0 - 20V.

- 05 Digital DC Ammeter 3½ Digit range of 0 - 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.
- 09 The unit is operative on 230VAC ±10% at 50Hz.
- 10 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections/ observation of waveforms.
- 11 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

- 12 Weight : 2.400 Kg. (Approx.)
- 13 Dimension: W 340 x H 125 x D 210

LIST OF ACCESSORIES:

- 01 Patch cord 4mm length 50 cm Red & Black09

OTHER APPARATUS REQUIRED :

- 01 AF Generator OMEGA TYPE AO-300
- 02 A.C. Millivoltmeter OMEGA TYPE ACV-25
- 03 Dual trace CRO 20MHz OMEGA TYPE CRO-20

We are committed to the continuous development of our products, and therefore reserve the right to amend specifications without prior notice.

OMEGA ELECTRONICS