

OMEGA TYPE ETB-83 Experimental Training Board has been designed specifically to study the Characteristics of a large family of Semiconductor Devices.

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

OBJECT

To study the characteristics of the following electronic devices :

- 01 Germanium and Silicon Diodes.
- 02 Zener Diodes.
- 03 Small Signal Bipolar Transistor PNP and NPN.
- 04 Junction Gate Field Effect Transistor (JUGFET).
- 05 Uni-Junction Transistor (UJT).
- 06 Light Emitting Diode (LED).
- 07 Photo Diode.
- 08 Photo Transistor .
- 09 Thermistors N.T.C. and P.T.C.
- 10 Voltage Dependant Resistor (V.D.R.).
- 11 Light Dependant Resistor (L.D.R.).
- 12 Opto-Coupler.
- 13 DIAC.
- 14 Silicon Controlled Rectifier (SCR).
- 15 TRIAC.
- 16 Varactor Diode (Varicap Diode).

FEATURES

The board consists of the following built-in-parts:

- 01 Two, 0-1.5V DC, 0-10V DC and 0-25V DC at 500mA, IC Regulated Power Supplies (switch selectable).
- 02 0-70V D.C. at 100mA, continuously variable regulated Power Supply.
- 03 Two Digital Current meter DC 3½ Digit Having Dual range of 2mA/2Amp.
- 04 One Digital Voltmeter DC 3½ Digit Having Dual range of 20V / 200V.
- 05 Electronic devices (all as mentioned under heading "OBJECT").

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



- 06 Adequate no. of other electronic components.
- 07 Mains ON/OFF switch, Fuse and Jewel light.
- 08 The unit is operative on 230VAC $\pm 10\%$ at 50Hz.
- 09 Adequate no. of patch cords stackable from rear both ends 2mm spring loaded plug length 50cm.
- 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 : 5.800 Kg. (Approx.)
- 13 Dimension : W 415 x H 165 x D 315

OTHER APPARATUS REQUIRED :

- 01 Digital Capacitance Meter
OMEGA TYPE DCM-008

OMEGA ELECTRONICS