



OMEGA TYPE ETB-101 Experimental Training Board has been designed specifically for a detailed practical study of conversion of a Galvanometer into a Volt / Amp meter and study of the laws of Resistances. The unit has an added feature that you can also learn to use a Multimeter.

Practical experience on this board carries great educative value for Science and Engineering Students particularly for Students of B.Sc and 10+2 classes.

OBJECT

- 01 To determine the resistance of a Galvanometer by half deflection method.
- 02 To determine the figure-of-merit of a Galvanometer.
- 03 To convert a Galvanometer into an Ammeter of a given range and to calibrate it.
- 04 To convert a Galvanometer into a Voltmeter of a given range and to calibrate it.
- 05 To study the laws of Resistances using an Ammeter.
- 06 To study the laws of Resistances using a Voltmeter.
- 07 To study the laws of Resistances using a Wheatstone Bridge.
- 08 To study the laws of Resistances using a Post Office Box.
- 09 To use a Multimeter for measuring :
 - 9.1 Resistances.
 - 9.2 Resistances in series.
 - 9.3 Resistances in parallel.
 - 9.4 DC Voltage.
 - 9.5 DC Current.

FEATURES

The board consists of the following built-in parts:

- 01 Galvanometer, 65mm rectangular dial to read 30-0-30.
- 02 0 -30V D.C at 50 mA, continuously variable IC regulated Power Supply.
- 03 Five Potentiometers and adequate no. of other electronic components.
- 04 Mains ON/OFF switch, Fuse and Jewel light.
- 05 The unit is operative on 230VAC $\pm 10\%$ at 50Hz.
- 06 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections.
- 07 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.
- 08 Weight : 2.400 Kg. (Approx.)
- 09 Dimension : W 340 x H 125 x D 210

LIST OF ACCESSORIES:

- 01 Patch cords 4mm length 50cm RED.....06.
- 02 Patch cords 4mm length 50cm BLACK.....05.

OTHER APPARATUS REQUIRED:

- 01 Digital Multimeter $3\frac{3}{4}$ digit
OMEGA TYPE DMM-201
- 02 Post Office Box OMEGA TYPE POB-180

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

OMEGA ELECTRONICS