



**OMEGA TYPE ETB-136** Experimental Training Board has been designed specifically for the study of Wien Bridge and by which one can evaluate the unknown value of capacitance.

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

#### OBJECT

To study Wien Bridge.

- 01 To measure the capacitance by Wien Series Bridge.
- 02 To measure the capacitance by Wien Parallel Bridge.

#### FEATURES

The board consists of the following built-in parts:

- 01  $\pm 12V$  D.C. at 100mA, IC regulated Power Supply internally connected.
- 02 1 KHz Sine Wave Oscillator.
- 03 Audio Amplifier and speaker for null detection.
- 04 Three decade resistances, single dial in steps of 100 Ohm, Total 1K each, to form arms of a bridge.
- 05 Decade resistance, Two dials of 10 Ohm & 100 Ohm, total 1100 Ohms to form arms of bridge.

06 Decade Standard Capacitances, selectable by a band switch to form the one arm of the bridge.

07 Unknown capacitor and adequate no. of other electronic components.

08 Mains ON/OFF switch, Fuse and Jewel light.

09 The unit is operative on 230VAC  $\pm 10\%$  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 : 3.00 Kg. (Approx.)

13 Dimension : W 340 x H 125 x D 210

#### LIST OF ACCESSORIES:

- 01 Patch cords 4mm length 50cm Red.....01.
- 02 Patch cords 4mm length 50cm black.....05.

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

## OMEGA ELECTRONICS

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