



**OMEGA TYPE ETB-228** Experimental Training Board has been designed specifically to measure the value of unknown inductance by Hay's bridge.

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

## OBJECT

01 To Measure the Value of Unknown Inductance and Its Reactance with the help of hay's Bridge.

## FEATURES

The board consists of the following built-in parts :

- 01 Hay's Bridge circuit with arm values
- 02  $\pm 12V$  DC at 100 mA, IC Regulated Power Supply internally connected.
- 03 1 KHz Sinewave oscillator Output 0 - 15 Vpp.
- 04 Audio Amplifier and Speaker for Null detection.
- 05 Three Unknown Value of Inductor Selectable by a band Switch.
- 06 Potentiometer 10 turn for Selecting desired Resistance Value.
- 07 Potentiometer for balancing the bridge.
- 08 Adequate no. of electronic components.
- 09 Mains ON/OFF switch, Fuse & Jewel light.
- 10 The unit is operative on  $230V \pm 10\%$  at 50Hz AC Mains.
- 11 Adequate no. of patch cords stackable 4mm spring loaded plug length 50cm.
- 12 Good quality, reliable terminals / sockets are provided at appropriate places on panel for connections / observation & waveforms.
- 13 Strongly supported by detailed operating Instructions, giving details of object, theory, design procedures, report suggestions and book references.
- 14 Weight : 2.600 Kg. (Approx.)
- 15 Dimension : W 340 x H 125 x D 210

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

## OMEGA ELECTRONICS

**Works:**  
28E & F, Malviya Industrial Area,  
Jaipur-302 017 (INDIA)  
Phone: 0141-2751559

E-mail : info@omegaelectronics.net  
: omegajaipur62@gmail.com

**Marketing Division:**  
B-28, Fateh Singh Scheme, Opp. Rajputana  
Palace Sheraton, Jaipur-302006 (INDIA)  
Phone : 091-141-2375647, 2379223

[www.omegaelectronics.net](http://www.omegaelectronics.net)