



OMEGA TYPE ETB-30.1 Experimental Training Board has been designed specifically for study of Series and Parallel Resonance in LCR Circuits, measurement of Q and dielectric constant of a liquid. The set-up is fully self-contained and requires no other apparatus.

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

OBJECT

To study the following :

- 01 Series resonance for different values of resistance, capacitances, inductances and plotting of resonance curves.
- 02 Parallel resonance for different values of resistance, capacitances, inductances and plotting of resonance curves.
- 03 Measurement of Q for both series and parallel resonances.
- 04 Measurement of dielectric constant relative permittivity of a liquid.

FEATURES

The board consists of the following built-in parts :

- 01 A.F. Voltmeter range 0 – 5V using 65mm DC rectangular meter
- 02 A.F. Ammeter Dual range 0 – 1mA / 5mA using 65mm DC rectangular meter

- 03 Sine wave oscillator 3KHz to 30KHz. Using Helical Potentiometer with 38mm calibrated Dial & Amplitude control Potentiometer.
- 04 Three inductances made on ferrite cores, selectable by a switch.
- 05 Three capacitances with low loss factor, selectable by a switch.
- 06 Three resistance, selectable by a switch.
- 07 Parallel plate condenser.
- 08 Adequate no. of patch cords stack able from rear both ends 4mm spring loaded plug length 50cm.
- 09 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections/observation of waveforms.
- 10 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.
- 11 Weight : 1.700 Kg. (Approx.)
- 12 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

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