

**MEASUREMENT OF UNKNOWN
CAPACITANCE BY SCHERING BRIDGE**
OMEGA TYPE ETB-229



OMEGA TYPE ETB-229 has been designed specifically to Measure the Value of unknown Capacitance by Schering Bridge. Practical experience on this board carries great educative value for Science and Engineering Students.

OBJECT

To find the value of unknown capacitance and its reactance with the help of Schering bridge.

FEATURE

The board consists of the following built-in parts :

- 01 Schering Bridge circuit with arms values.
- 02 ± 12 VDC at 100 mA, IC Regulated Power Supply internally connected.
- 03 1KHz Sinewave oscillator having output 0-15 Vpp.
- 04 Audio amplifier and speaker for null detector.
- 05 Three unknown value of capacitors selectable by a band switch.
- 06 Potentiometer for balancing the bridge.
- 07 Band switch to select one from six different values of resistance.
- 08 Adequate no. of other 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 terminal/sockets are provided at appropriate places on panel for connections/ observation of waveforms.
- 13 Strongly supported by detailed Operating Instructions, giving details of Object Theory, Design procedures, Report Suggestions and Book References.
- 14 Weight : 2.700 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

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