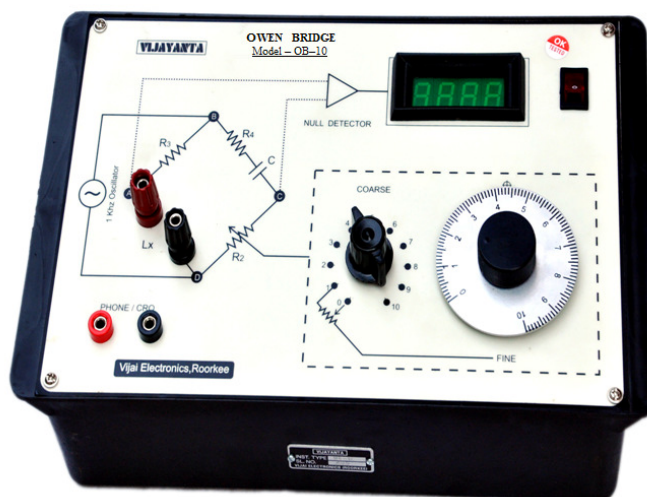


OWEN BRIDGE

Model - OB - 10



The Owen Bridge is another circuit for the measurement of the inductance in terms of a standard capacitor. One arm consists of the standard capacitor only, and an adjacent arm consists a resistance and capacitance in series. The possibility of balancing the bridge is indicated by a study of a face angle of the arms. Arm No. '1' has a capacity angle of 90° and 'X' and inductive angle less than 90° due to the presence of resistance, hence the some of this pair is slightly on the capacity side. Arm '2' has an angle of 0, so balance may be secured if arm may be has a Capacitive angle equal to the difference of the angles of arms "1 and X".

- Digital Micro Volt Meter
- Weight : 1Kg. Approximately
- Dimension : 195mm x 315mm x 75mm

VIJAYANTA TECHNOLOGIES PVT. LTD.

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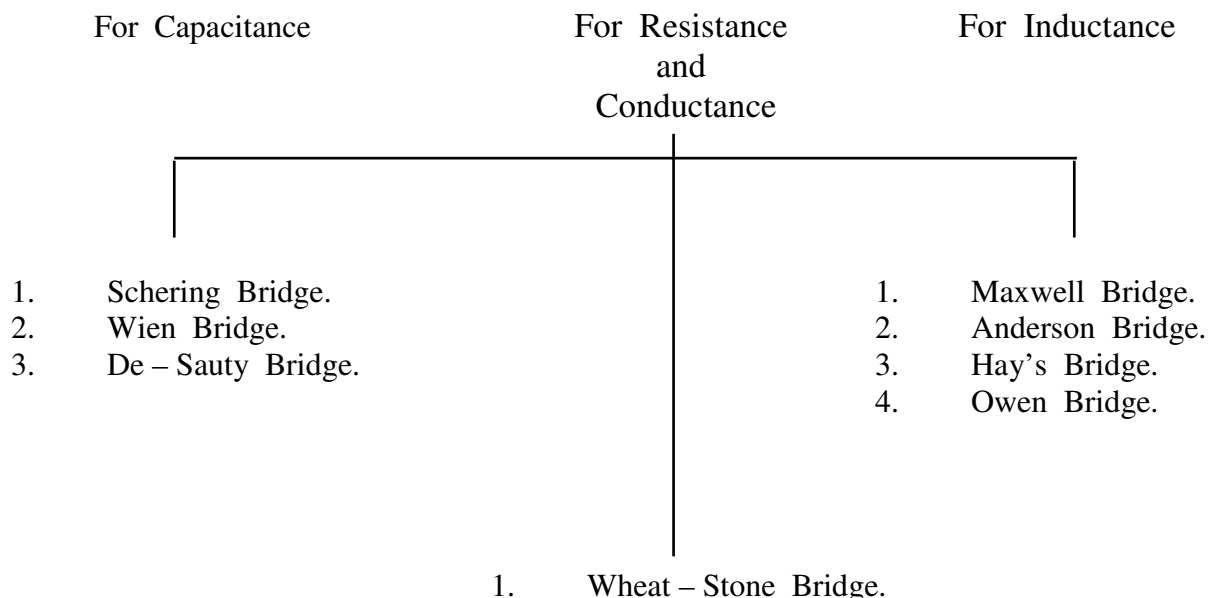
A.C. BRIDGES

Measurement of Inductance, Capacitance and some other quantities may be made conveniently and accuracy by A.C. Bridge circuits. The simple form of A.C. Bridge is very much resembles with D.C. Wheat – Stone Bridge. It consists of four arms. A power supply and a balance detector. The power source furnishes in Alternating current of 1, KHz in standard practice but in some cases measurements are also made on different frequencies.

The A.C. source is usually supplied by Audio Frequency Oscillator. A head – phone or a CRO also can be used for Null Detection but in sophisticated bridges an amplifier (Electronic Null Detector) is generally used which acts as Null Detector and Indications monitored on a moving coil Microampere Meter.

A.C. Bridges.

CLASSIFICATION :



Note: There may be any change in specification due to continuous R & D without notice.

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