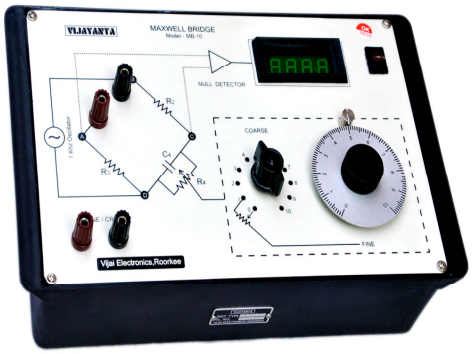
VIJAYANTA

WSC
ISO – 9001-2015

MAXWELL BRIDGE

Model – MB – 10



The Maxwell Bridge is generally used for the measurement of low "Q" self Inductance for which "Hay" equation have awkward characteristics. It is not so desirable for high "Q" coils as it requires large values frequently inconveniently for R1 and does not give a sharp resistance unknown inductance. Null detector with builtin 1 KHz Oscillator. A digital meter for Null Detector and a D.C. Microamperemeter for Null Indication. The actual bridge and formula is given in operating instructions.

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

VIJAYANTA TECHNOLOGIES PVT. LTD.

(*Formerly Vijai Electronics*)

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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 sophiciated bridges an amplifier (Electronic Null Detector) is generally used which acts as Null Detector and Indications monitored on a moving coil Microampere Meter.

CLASSIFICATION :

A.C. Bridges.

For Capacitance	For Resistance and Conductance	For Inductance
1. Schering Bridge. 2. Wien Bridge. 3. De – Sauty Bridge.	1. Wheat – Stone Bridge.	1. Maxwell Bridge. 2. Anderson Bridge. 3. Hay's Bridge. 4. Owen Bridge.

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

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