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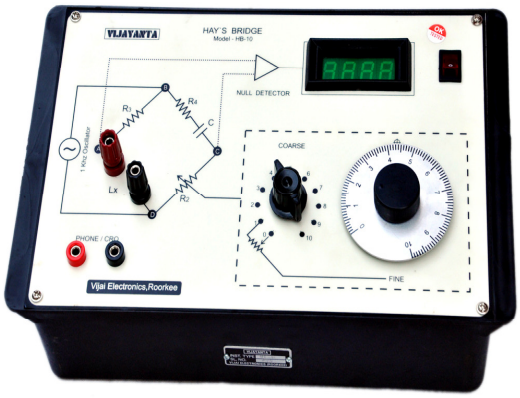
HAY'S BRIDGE

Model – HB – 10



The Hay Bridge is different from the Maxwell Bridge only in having a resistance in series with the standard capacitor instead of in parallel with it for large phase angles this change requires a low series resistance instead of a very high parallel resistance. The Hay circuit gives more convenient values of resistance and better balancing for high "Q" inductance coils. The actual circuit and formula are engraved on panel, terminals are provided for connecting, headphone and high "Q" unknown inductance. The 1 KHz Oscillator and tuned amplifier fitted with Micro Ampere meter as Null Indicator and power supply are builtin

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

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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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