



The experimental set up has been designed specially for the study of To Measure the Value of Unknown Self Inductance.

Practical Experience on these boards carries great educative value for Science and Engineering students.

Object:

To Measure the Value of Unknown Self Inductance by Owen's Bridge

Feature:

The board consists of the following built in parts :

01. Owen's Bridge circuit with arm values
 02. $\pm 15V$ DC at 100 mA, IC Regulated Power Supply internally connected.
 03. 1 KHz Sinewave oscillator Output 0 - 15 Vpp.
 04. Audio Amplifier and Speaker for Null detection.
 05. Three Unknown Value of Inductor Selectable by a band Switch.
 06. Potentiometer 1K - 10 turn for Selecting desired Resistance Value.
 07. Potentiometer for balancing the bridge.
 08. Adequate no. of electronic components.
 09. Mains ON/OFF switch, Fuse & Jewel light.
- * The unit is operative on $230V \pm 10\%$ at 50Hz AC Mains.
 - * Adequate no. of patch cords stackable 4mm spring loaded plug length 1/2 metre.
 - * Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections/ observation of waveforms.
 - * Strongly supported by detailed Operating Instructions, giving details of Object Theory, Design procedures, Report Suggestions and Book References.

Note: Specifications are subject to change.

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