



**36307** Experimental Set-Up has been designed specifically for Phase and frequency determination of electrical signals using a CRO.

The set up is complete in all respect and requires no other apparatus. Practical experience on this set up carries great educative value for Science and Engineering Students.

**Object :**

To study analog CRO, Measurement of time period, amplitude, frequency and phase angle using Lissajous Figures.

1. Study of CRO.
2. Measurement of time period CRO.
3. Measurement of amplitude CRO.
4. Measurement of frequency using Lissajous Figures.
5. Measurement of phase angle using Lissajous Figures.

**Features**

The board consists of the following built-in parts:

1. 01 Known frequency 50Hz (3V AC at 50mA).
2. One Inductor.
3. One Capacitor.
4. Resistance selector switch to select different resistance.
5. Mains ON/OFF switch, Fuse and Jewel light.
6. Adequate no. of patch cords stackable 4mm spring loaded plug length 50cm.
7. Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections/observation of waveforms.
8. Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.
9. Weight : 2.00 Kg. (Approx.)
10. Dimension : W 340 x H 125 x D 210 (mm)

**Other Apparatus Required :**

1. Audio Sine Wave Generator
2. Dual trace CRO 20MHz

Note: Specifications are subject to change.

