



Experimental Training Board has been designed specifically for the study of Crystal Oscillator. This Training Board provides familiarisation with a Quartz crystal and its application in Miller and Pierce type Oscillators.

Practical experience on this board carries great educative value for Science and Engineering Students.

**Object:**

01. To study the Miller Crystal Oscillator and to observe its waveform and frequency.
02. To study the Pierce Crystal Oscillator and to observe its waveform and frequency.

**Features:**

The board consists of the following built-in parts :

1. Quartz Crystal, 1MHz fixed on a crystal socket.
2. Valve fixed on panel with 9 pin valve base.
3. Inductor (coil) and Radio Frequency Coil.
4. Adequate no. of other electronic components.
5. Adequate no. of patch cords stackable from rear both ends 4mm spring loaded plug length ½ metre.
6. Good quality, reliable terminal/sockets are provided at appropriate places on panel for connections/ observation of waveforms.
7. Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

**Other Apparatus Required:**

1. IC Regulated Power Supply
2. Digital Frequency Counter
3. Cathode Ray Oscilloscope 20MHz

Note: Specifications are subject to change.