OMEGA TYPE ETB-194 Experimental Training board has been designed specifically to study of quadrature oscillator. It produces sine wave and cosine wave that are in out of phase by 90^0.

Practical experience on this board caries great educative value for science and engineering students.

OBJECT

01   To study constructional features of quadrature oscillator.

02   To verify the generation of two signal (sine & cosine) that are in quadrature i.e. out of phase by 90^0.

03   To study the variation in frequency by varying the values of components.

FEATURES

The board consists of the following built in parts :

01   ± 15V D.C. at 50mA. IC regulated power supply internally connected.

02   OP-Amp IC.

03   A selector switch provided to select three frequencies.

04   Two potentiometers for feed back control (coarse & fine control)

05   Adequate no. of other electronic components.

06   Mains ON/OFF switch, fuse and jewel light.

07   Unit is operative on 230VAC ± 10% at 50 Hz.

08   Good quality, reliable terminals/sockets are provided at appropriate places on panel for connections/observations of waveforms.

09   Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References**.**

10   Weight   : 2.100 Kg. (Approx.)

11   Dimension   : W 340 x H 125 x D 210

LIST OF ACCESSORIES: Nil

OTHER APPARATUS REQUIRED :

01   Dual trace CRO 20MHz OMEGA TYPE CRO-20.

02   Digital Frequency counter OMEGA-TYPE DFC-20M.

We are committed to the continuous development of our products, and therefore reserve the right to amend specifications without prior notice.