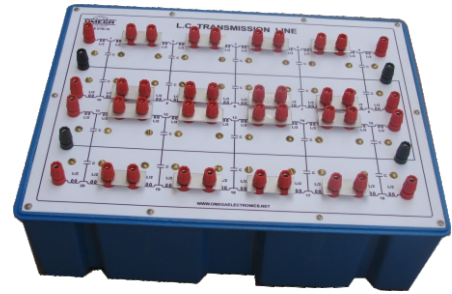


**STUDY OF L.C. TRANSMISSION LINE
OMEGA TYPE ETB-10**

**R.F. (L-C) OSCILLATOR
(VALVE VERSION)
OMEGA TYPE ETB-9**



OMEGA TYPE ETB-9 Experimental Training Board has been designed specifically for the study of R.F.(L-C) Oscillator. Oscillator can be defined as an Electronic device for generating A.C. voltage from D.C. power.

OBJECT

Study of the following RF Oscillators using L-C :

- 01 Hartley's oscillator.
- 02 Colpitt's oscillator.
- 03 Tuned grid oscillator.
- 04 Tuned plate oscillator.

FEATURES

The board consists of the following built-in parts :

- 01 A valve with base fixed on panel and wired internally.
- 02 Gang condenser.
- 03 Three inductors.
- 04 Adequate no. of other electronic components.
- 05 Adequate no. of patch cords 4mm length 50 cm.
- 06 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections/ observation of waveforms.
- 07 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

08 Weight : 3 Kg. (Approx.)

09 Dimension : W 340 x H 125 x D 210

OTHER APPARATUS REQUIRED:

- 01 Power Supply 300V at 100mA
OMEGA TYPE ICV 300/01
- 02 V.T.V.M. OMEGA TYPE VTV-10
- 03 Digital frequency counter
OMEGA TYPE DFC-20M.

OMEGA TYPE ETB-10 Experimental Training Board has been designed specifically to study the voltage distribution along L.C. Transmission line in the form of an Artificial Transmission line. It also helps students to study Ferranti effect, distortion-less line and velocity of propagation.

OBJECT

To study voltage distribution along L.C. Transmission line:

- 01 Voltage distribution along open circuit line.
- 02 Voltage distribution along short circuit line.
- 03 Study of Ferranti effect.
- 04 Study of distortion-less line.
- 05 Velocity of propagation.

FEATURES

The board consists of the following built-in parts :

- 01 Artificial Transmission Line, consisting of 20 sections. Each section contains two R.F. chokes and one condenser with connections brought out on terminals on the front panel.
- 02 16 metal connectors for connections between terminals.
- 03 Adequate no. of patch cords stackable from rear both ends 4mm spring loaded plug length 50cm.
- 04 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections/ observation of waveforms.
- 05 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

06 Weight : 5 Kg. (Approx.)

07 Dimension : W 415 x H 165 x D 315

OTHER APPARATUS REQUIRED :

- 01 V.T.V.M. OMEGA TYPE VTV-10
- 02 AF Generator OMEGA TYPE AO-300
- 03 Decade Resistance Box OMEGA TYPE DRBC-115L
- 04 Dual trace CRO OMEGA TYPE CRO-20

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

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