

**THYRATRON SAW TOOTH GENERATOR
(VALVE VERSION)
OMEGA TYPE ETB-17**

OMEGA TYPE ETB-17 has been designed specifically for the study of Thyatron Saw Tooth Generator.

Practical experience on these boards carries great educative value for Science and Engineering Students.

OBJECT

Study of Thyatron Saw Tooth Generator :

- 01 To determine the influence of E_{bb} , C, R and Thyatron bias on the repetition frequency and amplitude of Saw Tooth output.
- 02 To include a pentode charging circuit and to examine its effect on the linearity of Saw Tooth output.

FEATURES

The board consists of the following built-in parts :

- 01 Two valves with bases fixed on panel and wired internally
- 02 Band switch for selecting the different values of capacitor.
- 03 Two potentiometers.
- 04 Adequate no. of other electronic components.
- 05 Adequate no. of patch cords stackable from rear both ends 4mm spring loaded plug length 50cm.
- 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
OMEGATYPE ICV-300/01
- 02 AF Generator OMEGATYPE AO-300
- 03 Dual trace CRO OMEGATYPE CRO-20

**REACTANCE TUBE MODULATOR
(VALVE VERSION)
OMEGA TYPE ETB-18**

OMEGA TYPE ETB-18 has been designed specifically for the study of the Reactance Tube Modulator.

Practical experience on these boards carries great educative value for Science and Engineering Students.

OBJECT

To study the Reactance Tube Modulator:

- 01 Calculate the effective capacitance & inductance of the reactance tube modulator.
- 02 Hartley oscillator.

FEATURES

The board consists of the following built-in parts :

- 01 Two valves with bases fixed on panel and wired internally.
- 02 Two Inductors and one trimmer capacitor.
- 03 Adequate no. of other electronic components.
- 04 Adequate no. of patch cords 4mm length 50cm.
- 05 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections/ observation of waveforms.
- 06 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.
- 07 Weight : 3 Kg. (Approx.)
- 08 Dimension : W 340 x H 125 x D 210

OTHER APPARATUS REQUIRED

- 01 Power Supply 300V at 100mA
OMEGATYPE ICV-300/01
- 02 AF Generator OMEGATYPE AO-300
- 03 Digital frequency counter OMEGATYPE DFC-20M.

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

OMEGA ELECTRONICS