



**OMEGA TYPE ETB-203** Experimental training board has been designed specifically for the study of Voltage Controlled Oscillator (V.C.O.)

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

### OBJECT

- 01 To study Voltage Controlled Oscillator (V.C.O.) and verify the frequency variation in accordance with input voltage.
  - 1.1 Constant frequency
  - 1.2 Wide range VCO, variable from near zero to above 1.5 KHz.
  - 1.3 Wide range VCO with frequency fully variable down to zero
  - 1.4 Restricted range VCO
  - 1.5 Universal Clock/Square wave Generator
  - 1.6 FSK Generator.

### FEATURES

The board consists of the following built-in parts :

- 01 +9V D.C. at 50mA, IC regulated Power Supply.
- 02 CMOS Phase Locked Loop (PLL) IC
- 03 Quad 2-input Nand schmitt trigger IC
- 04 Two Potentiometers.
- 05 Two diodes and adequate no. of other electronic components.
- 06 Mains ON/OFF switch, fuse and jewel light.
- 07 The unit is operative on 230V  $\pm$  10% at 50 Hz A.C. mains.
- 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 : 2.500 Kg. (Approx.)
- 11 Dimension : W 340 x H 125 x D 210

### LIST OF ACCESSORIES:

- 01 Patch cords 4mm length 50cm Red.....13.
- 02 Patch cords 4mm length 50cm Black.....13.

### OTHER APPARATUS REQUIRED:

- 01 Dual trace CRO 20MHz 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.

## OMEGA ELECTRONICS