



OMEGA TYPE MCH-26 Experimental Training Board has been designed specifically for the study of OP-AMP Comparator.

OBJECT

01 Study of OP-AMP Comparator and its

Characteristics :

- 1.1 Non-Inverting Comparator.
- 1.2 Inverting Comparator.
- 1.3 Fast Precision Voltage Comparator.
- 1.4 Comparator for signals of opposite polarity.
- 1.5 Single ended comparator with Hysteresis and clamped feedback.
- 1.6 Comparator for A.C. Coupled signals.

02 Applications of Comparator:

- 2.1 Zero Crossing Detector.
- 2.2 Schmitt Trigger.
- 2.3 Voltage Limiter.

FEATURES

The board consists of the following built-in parts :

- 01 $\pm 15V$ D.C. at 50mA, IC Regulated Power Supply.
- 02 +5V DC at 50mA, IC Regulated Power Supply.
- 03 0-5V D.C. at 100mA, continuously variable Power Supply.
- 04 Two OP-AMP ICs 741.

05 Linear Potentiometer 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 50Hz A.C. Mains.

08 Adequate no. of patch cords stackable from rear both ends 4mm spring loaded plug length 50cm.

09 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections / observation of waveforms.

10 Strongly supported by detailed Operating Instructions.

11 Weight : 3 Kg. (Approx.)

12 Dimension : W 340 x H 125 x D 210

OTHER APPARATUS REQUIRED:

- 01 Sine-Square Wave Generator
OMEGA TYPE SS-305
- 02 Digital Multimeter $3\frac{3}{4}$ Digit
OMEGA TYPE DMM-201
- 03 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.

OMEGA ELECTRONICS