



**OMEGA TYPE MCH-21** Experimental Training Board has been designed specifically for the study of Differential Amplifier in solid state version. A Differential Amplifier is also called a Differential Amplifier and it is essential part of operational amplifier. As operational amplifiers are now a days being used quite extensively in instrumentation control and entertainment electronics, this Training Board has great educational value.

#### OBJECT

- 01 To study the operation of a Differential Amplifier.
- 02 To measure the Common Mode Gain and Differential Mode Gain of the Differential Amplifier and determine its Common Mode Rejection Ratio(CMRR).

#### FEATURES

The board consists of the following built-in parts:

- 01  $\pm 9V$  D.C. at 100mA, IC regulated Power Supply internally connected.
- 02 Three NPN transistors.
- 03 Adequate no. of other electronic components.

- 04 Mains ON/OFF switch, Fuse and Jewel light.
- 05 The unit is operative on 230V  $\pm 10\%$  at 50Hz A.C. Mains.
- 06 Adequate no. of patch cords stackable from rear both ends 4mm spring loaded plug length 50cm.
- 07 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections/observation of waveforms.
- 08 Strongly supported by detailed Operating Instructions.

09 Weight : 3 Kg. (Approx.)

10 Dimension : W 340 x H 125 x D 210.

#### OTHER APPARATUS REQUIRED :

- 01 Sine square wave oscillator Omega Type SS-305
- 02 A.C. Millivoltmeter OMEGA TYPE ACV-25
- 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