

**OMEGA TYPE MCH-03 & 04** Experimental Set Up has been designed specifically Familiarising With CRO and Voltage Measurement. The set up is absolutely self contained and requires no other apparatus. Practical experience on this set up carries great educative value for Science and Engineering Students.

**OBJECT**

- 01 Study of CRO.
- 02 Measurement of voltage.
- 03 Measurement of time period.

**APPARATUS REQUIRED**

The Set up consists of the following :

- 01 Dual trace CRO OMEGA TYPE CRO-20

**SPECIFICATIONS**

Operating Modes : Channel I, Channel II, Channel I & II, Alternate or chopped (approx. 500KHz), X-Y operation (Ratio 1:1 Input via CH II), Add/ Sub CH I  $\pm$  CHII, Invert CH II. Vertical Deflection (Y), Time base, Trigger System, Horizontal Deflection(X), Built-in Single Touch Component Tester.

Included Accessories : (1). Manual 1No., (2).

BNC-Test Prob 1No., (3). BNC - Crocodile Cable 1No., (4). Test Prob 1 Pair.

- 02 Function Generator OMEGA TYPE FG-321

**SPECIFICATIONS**

**01 FREQUENCY**

**RANGE** : 1Hz to 110KHz divided into 5 decade steps, continuous adjustment with linear dial.

**02 WAVEFORMS** : Sine, Square, Triangular.

**03 SINE WAVE HARMONIC DISTORTION** :

Less than 0.5% over the entire range.

**04 D.C. OUT** : 100 mV to 10 V peak to peak (For all waveforms)

Impedance 50 ohms  $\pm$  3%  
Short/Open circuit protected.  
DC offset level is adjustable from -5Vto +5V output with OFFSET control.



**05 A.C. OUT**

: 10 mV to 1V peak to peak (For all waveforms) Impedance 600 ohms  $\pm$  3% Short/open circuit protected.

**06 SYNC. OUT**

: Square wave 500 mV peak to peak Impedance- 1K ohm  $\pm$  3% Short/Open circuit protected. No DC voltage component present.

**07 D.C. OFFSET**

:  $\pm$  5V continuously adjustable.

**08 DIAL**

**ACCURACY** : Better than  $\pm$ 1.5%  $\pm$ 1Hz.

**09 RISE AND**

**FALL TIME** : Better than 100 ns.

**10 POWER REQ.** : 230VAC  $\pm$  10% at 50Hz

11 Mains ON/OFF switch, Fuse and Jewel light.

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

13 Strongly supported by detailed Operating Instructions.

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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