



OMEGA TYPE DB-4 Demonstration Board has been designed specifically to understand the methods of addition, subtraction and multiplication in binary system. Digital Systems are based on Binary System of counting therefore it becomes essential to master this system. The board is absolutely self contained and requires no other apparatus.

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

OBJECT

- 01 To demonstrate binary addition upto 5 bit binary.
- 02 To demonstrate binary subtraction upto 5 bit binary.
- 03 To demonstrate binary multiplication by repetitive addition upto 5 bit binary.
- 04 To demonstrate the method of presetting the initial conditions.
- 05 To demonstrate the above processes by feeding either negative or positive pulses from an external source.

FEATURES

The board has the following features :

- 01 Five stages of I.C. Flip flops.
- 02 Clock circuit generating negative clock pulses.
- 03 Band switch for presetting a particular bit.
- 04 Five toggle switches for isolating or combining the five flip flops.
- 05 Push switch for selecting addition or subtraction function.
- 06 Reset switch for resetting the flip flops to 00000.
- 07 Five LED indicators representing a 5 bit binary.
- 08 Output for feeding to external circuits.
- 09 Input for positive or negative pulse triggering from external source.
- 10 Mains ON/OFF switch, Fuse and Jewel light.
- 11 The unit is operative on 230V \pm 10% at 50Hz A.C. Mains.
- 12 Adequate no. of patch cords stackable from rear both ends 4mm spring loaded plug length 50cm.
- 13 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections/observation of waveforms.
- 14 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.
- 15 Weight : 3 Kg. (Approx.)
- 16 Dimension : W340 x H125 x D210

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

OMEGA ELECTRONICS

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