



OMEGA TYPE DB-5 is a DYNAMIC DEMONSTRATION BOARD. on Seven Segment Display (using Light Emitting Diodes). The decoder driver circuit is used to drive its binary coded decimal output from switches. The BCD to seven segment decoder driver IC 7446/47A which consists of 45 diodes, 16 resistors and 7 transistors. There are 4 switches corresponding to 4 variables A,B,C and D. The switches are so connected that the two terminals of the switch corresponds to a logic '1' and logic '0' respectively in one position of the switch. When the switch position is changed, the two terminals just inter-change their A,B,C and D both in the true form, as well as in the false form. Thus depending upon the state of the switches and their relative position a particular digit is displayed on the display panel.

OBJECT

01 To demonstrate the working of seven segment display.

FEATURES

The board consists of the following built-in parts :

- 01 +5V at 100mA, IC regulated Power Supply.
- 02 Seven segment display of Common Anode, LED type.
- 03 Decoder Driver IC.
- 04 Four SPDT switches corresponding to four variables A, B, C and D
For giving logic '1' and logic '0' inputs.
- 05 Adequate no. of other Electronic Components.
- 06 Mains ON/OFF switch and Neon indicator are provided.
- 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 $\frac{1}{2}$ metre.
- 10 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections/observation of waveforms.
- 11 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.
- 12 Weight : 3 Kg. (Approx.)
- 13 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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