



Omega Type LTB-887 Multiplexer and Demultiplexer Trainer has been designed specifically for the study of 4-to-1 Line Multiplexer and 1-to-4 Line Demultiplexer. This Training Board familiarizes the students with the operation of both multiplexer and demultiplexer circuit. It explains the phenomena of Multiplexing of four input signals with two selection lines and one output. It explains Demultiplexing of one input signal with two selection lines and four outputs.

The board is absolutely self contained and requires no other apparatus.

OBJECTS:

- 01 Study and verification of the Truth Table of 4-to-1 Line Multiplexer.
- 02 Study and verification of the Truth Table of 1-to-4 Line DeMultiplexer.

TECHNICAL SPECIFICATIONS:

The board consist of following built in parts.

- 01 + 5V D.C. at 100mA , IC regulated power supply internally connected.
- 02 Multiplexer IC 74153.
- 03 De-multiplexer IC 74139.
- 04 Five LEDs for visual indication of status.
- 05 Six SPDT switches for logic selection low and High.
- 06 Adequate no. of Electronic Components.
- 07 Mains ON/OFF switch, Fuse and Jewel light.
- 08 The unit is operative on 230V $\pm 10\%$ at 50Hz A.C. Mains.
- 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, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.
- 11 Weight : 1 Kg. (Approx).
- 12 Dimension : W 340 x H 125 x D 210

LIST OF ACCESSORIES:

- 01 Patch cord 2mm length 50cm Red
- 02 Patch cord 2mm length 50cm Black.....

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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