



38702 Multiplexer and demultiplexer Trainer has been designed specifically for study of 4-to 1 line multiplexer and 1 to 4 line demultiplexer. This Training board familiarizes the operation of both multiplexer and demultiplexer circuit. It explains the phenomena of multiplexing of four input signals with two selection lines one output, It explains Demultiplexing of one input signal with two selection lines four outputs. The board is absolutely self contained and requires no other apparatus.

OBJECT

- 01 study of verification of the truth table of 4 to 1 line multiplexer.
- 02 Study of verification of the truth table of 4 to 1 line demultiplexer.

TECHNICAL SPECIFICATION

The board consist of following built in parts.

- 01 +5V DC at 100mA IC regulated power supply internally connected.
- 02 Multiplexer IC 74153.
- 03 De- multiplexer IC 74139.
- 04 Five LED`s for visual indication of status.
- 05 Six SPDT switches for logics 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 AC mains.
- 09 Good quality reliable terminal/sockets are provided at appropriate places on panel for connections of waveform.
- 10 Strongly supported by detailed operating instructions, giving details of object, Theory design procedures, report suggestions and book references.
- 11 Weight : 1Kg (Approx)
- 12 Dimension : W340 x H125 x D210

LIST OF ACCESSORIES

- 01 Patch code 2mm length 50cm Red-----04
- 02 Patch code 2mm length 50cm Black----- 04

Note: Specifications are subject to change.

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