



**38700** Multiplexer and Demultiplexer Trainer has been designed specifically for the study of 8-to-1 Line Multiplexer and 1-to-8 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 8-to-1 Line Multiplexer.
- 02 Study and verification of the Truth Table of 1-to-8 Line De-Multiplexer.

### 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 74151.
- 03 De-multiplexer IC 74138.
- 04 Eight LEDs for visual indication of status.
- 05 Eleven 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 : 2Kg. (Approx).
- 12 Dimension : W 415 x H 165 x D 315

### LIST OF ACCESSORIES

- 01 Patch cord 2mm length 50cm Red----- 06
- 02 Patch cord 2mm length 50cm Black-----06

Note: Specifications are subject to change.

### **Tesca Technologies Pvt. Ltd.**

IT-2013, Ramchandrapura Industrial Area, Sitapura Extension,  
Near Bombay Hospital, Vidhani Circle, Jaipur-302022, Rajasthan, India,  
Tel: +91-141-2771791 / 2771792; Email: info@tesca.in, tesca.technologies@gmail.com  
Website: www.tesca.in