



### SPECIFICATION

38665A Half & Full Subtractor Trainer has been designed specifically for the study of Half Subtractor and Full Subtractor. This Training Board familiarizes the students with the operation of both Half / Full Subtractor. It explains the operation of Half Subtractor of two inputs and Full Subtractor of with borrow input.

### OBJECT:

- 01 Study and verification of the Truth Table of Half Subtractor.
- 02 Study and verification of the Truth Table of Full Subtractor.

### TECHNICAL SPECIFICATIONS:

The board consists of following built in parts.

- 01 + 5V D.C. at 100mA, IC regulated power supply internally connected.
- 02 AND gate IC 7408.
- 03 NOT gate IC 7404.
- 04 OR gate IC 7432.
- 05 X-OR gate IC 7486
- 05 Four LEDs for visual indication of status.
- 06 Three SPDT switches for logic selection low and High.
- 07 Adequate no. of Electronic Components.
- 08 Mains ON/OFF switch, Fuse and Jewel light.
- 09 The unit is operative on 230V  $\pm 10\%$  at 50Hz A.C. Mains.
- 10 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections / observation of outputs.
- 11 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.
- 12 Weight: 1 Kg. (Approx).
- 13 Dimension : W 300 x H200 x D73

Note: Specifications are subject to change.

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