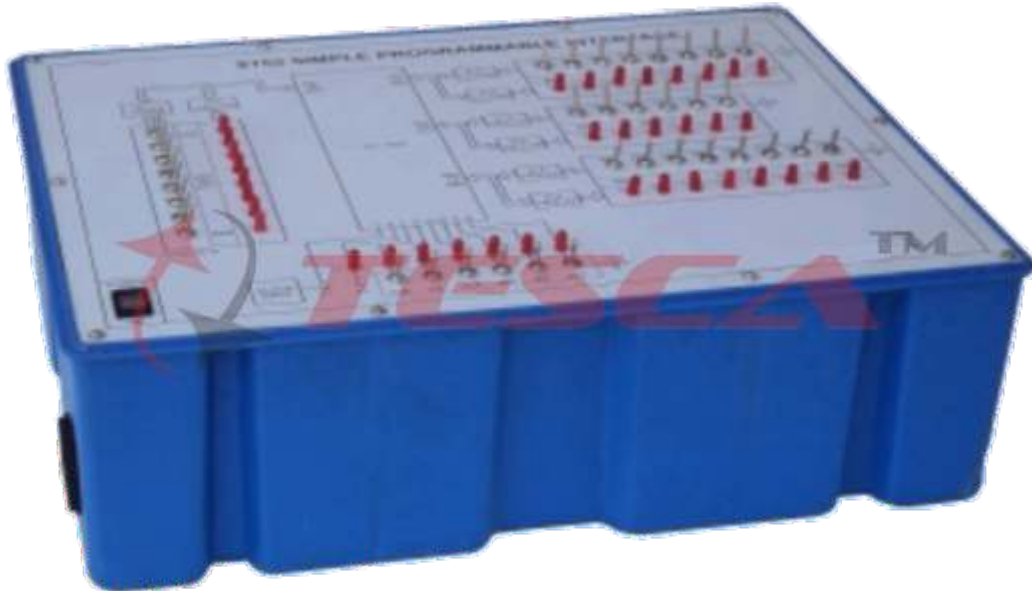


Computer Logic Training Board has been designed specifically for the study of 8155-Simple Programmable Interface. This Training Board gives a better understanding of memory operations, timer operations and Interfacing between address port & data ports.

Practical experience on this board carries great educative value for Science and Engineering Students.



**Object:**

To Study 8155 simple programmable interface for the following:

01. Memory operations in IC 8155.
02. Interface operations to configure different ports as input port or output port or in combinations of Input/Output.
03. Different modes of Timer Operation.

**Features:**

The board consists of the following built-in parts :

01. + 5V D.C. at 1A, IC regulated power supply internally connected.
  02. Programmable interface IC 8155.
  03. Eight tristate buffer ICs 74LS244.
  04. EPROM IC 2716.
  05. Timer IC 555.
  06. OR gate IC 74LS32.
  07. NAND gate IC 74LS00.
  08. 4-Bit D type registers (latch) IC 74LS173.
  09. LEDs for visual indication of status.
  10. SPDT switches for logic selection.
  11. Adequate no. of Electronic Components.
  12. Mains ON/OFF switch, Fuse and Jewel light.
- \* The unit is operative on 230V  $\pm$ 10% at 50Hz A.C. Mains.
  - \* Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections / observation of waveforms.
  - \* Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

**Other Apparatus Required:**

- \* Cathode Ray Oscilloscope 20MHz

Note: Specifications are subject to change.

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