

Computer Logic Training Board has been designed specifically for the study of Digital to Analog Conversion and to make the students familiar with the basic principle & techniques of "Digital to Analog Conversion". Input state switches with storage register are provided to feed the derived digital input and analog output can be read directly on a voltmeter in terms of voltage. The board is absolutely self contained and requires no other apparatus.

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



**Object:**

To study the basic principle on Digital to Analog Conversion.

**Features:**

The board consists of the following built-in parts :

01. + 5V D.C. at 250mA, IC Regulated Power Supply internally connected.
  02. +10V D.C. at 50mA, Power Supply internally connected.
  03. -10V D.C. at 50mA, Power Supply internally connected.
  04. D.C. Voltmeter, 65mm rectangular dial to read 0-5V.
  05. Four, D-type Flip-Flops.
  06. Four Level Amplifiers.
  07. Continuous monitoring of analog signals on a voltmeter.
  08. Four switches for giving binary logic input states.
  09. Four LEDs for visual indication of binary logic input status.
  10. Adequate no. of other Electronic Components.
  11. Mains ON/OFF switch, Fuse and Jewel light.
- \* Adequate no. of patch cords stackable from rear both ends 4mm spring loaded plug length ½ metre.
  - \* 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.

**Specifications:**

DIGITAL INPUT WORD LENGTH	:	4 Bits.
INPUT STORAGE REGISTER	:	4 D type flip-flops.
ANALOG SIGNAL VARIATION	:	0 to +5V.
ANALOG DISPLAY	:	A voltmeter 0-5V with linear calibration.
SUPPLY REQUIRED	:	230V ±10% at 50Hz A.C. Mains.
D/A MODE	:	Using Binary weighted ladder network.

Note: Specifications are subject to change.

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