

Jain Laboratory Instruments



Product Code . JL-DET-1517



Binary to Decimal Encoder

Description

Binary to Decimal Encoder

There are arrangements for changing the binary input with the help of a selector switch as well as to feed the unknown 4-bit binary code to read decimal value on seven segment display. 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.

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Object:-

To study the Binary To Decimal Encoder

Features:-

The board consists of the following built-in parts :

+ 5V D.C. at 50mA, IC Regulated Power Supply internally connected

BCD-to-7-Segment Decoder/Driver

A selector switch to set digits from 0 to 9 with corresponding binary code indicator

A DPDT switch for lamp test of seven segment display

Switch for logic selection

LEDs for visual indication of binary code A,B,C,D

Adequate no. of other Electronic Components

Mains ON/OFF switch, Fuse and Jewel light

The unit is operative on 230V ±10% at 50Hz A.C. Mains

Adequate no. of patch cords stackable from rear both ends 4mm spring loaded plug length 1/2 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:

Input word length : 4- Bit

Seven segment display : 0 TO 9

LED indication : LED will glow for '1' state and will be OFF for '0' state

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