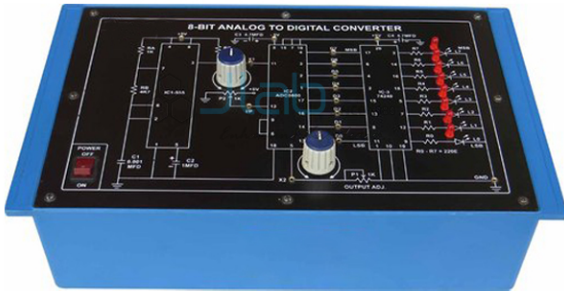


Product Code . JL-DET-1515

Analog to Digital Converter



Description

Analog to Digital Converter

The offered range is made utilizing modern techniques and sophisticated technology in complete adherence with the industry laid norms and standards.

This range is known for studying the analog to digital converter and is self contained and demands no other apparatus.

Object:-

To study the basic principle on conversion of analog signal to digital signal

To study the working of digital voltmeter

The board consists of the following built-in parts:

+ 5 V D.C. At 250 mA, IC regulated power supply internally connected

- 5 V D.C. At 50 mA, IC regulated power supply internally connected

+ 10 V D.C. At 50 mA, IC regulated power supply internally connected

0- 15 V D.C. At 50 mA, continuously variable power supply

D.C. Voltmeter, 65 mm rectangular dial to read 0-15V

Voltage comparator

Quad 2-input NAND gate

Quad 2-input NOR gate

Quad 2-input AND gate

Dual 4-input AND gate

Quad 2-input EX-OR gate

Three, Hex Buffer/Driver

BCD-to-7 segment decoder/driver.

Dual J-K Flip-flop

4-bit binary ripple counter

Timer

Continuous monitoring of analog signals on a voltmeter and of digital signals on 7 segment display

Seven LED s to display the state of various important points

Two seven segment displays for visual indication of output status

Provision for manual pulses as well as for internal clock

Adequate no. of other electronic components

Mains ON/OFF switch, fuse and jewel light

Adequate no. of patch cords stackable from rear both ends 4mm spring loaded plug length ½ meter

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:-

Analog signal variation: 0 to +15 V

Digital word length: 4 bits

Decoder display: 0 to 15 (using 7-segments)

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

Supply required: 230 V \pm 10% at 50 Hz A.C. Mains

Digital Converter Manufacturer India, Digital Converter Exporters, Electronics Digital Converter, Digital Converter Digital Electronics Trainer, Buy Digital Converter Online India, Lab Exporters India, Electronics Equipments For School Lab, Didactic, Didactic Transmission Electrical Training Equipment Exporters and Educational Equipments, Electrical Training Equipment Suppliers, Electronics Instruments and Equipments Manufacturer.

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