Green Power is the Leading Electronic Instruments company based in Singapore. We never stop improving products' quality and extending our activities to more electronic products. Our QC system provides quality assurance based on your requirements for all of our products. We guarantee prompt delivery and a profitable business for you. Green Power should be your most economical choice.

GreenPower

Major technological developments in telecommunications in recent years have lead to a large scale deployment of equipment containing evermore sophisticated electronic circuits.

From this reality stems the need to create skilled professionals adequately trained in the basics of telecommunication technology as well as in its more advanced applications.

In view of the technological advancements and the evolution of electronic components, ongoing theoretical, experimental and practical upgrading of skilled workers is essential.

For training purposes, access to modular and flexible systems which can be adapted to diverse and continuously varying needs is necessary in order to meet these demands.

Green Power Technology has developed tailor made systems and solutions for training and research purposes, by designing a range of equipment for the theoretical and practical analysis of all topics related to telecommunications and telematics, from the basic concepts through to more complex applications.

The various topics are covered exhaustively and constitute a complete training program which includes both a theoretical introduction and practical experiments starting from Electrical and Electronic Training System..

Special Package for Digital Logic Trainer Units are

- Digital Logic Lab Main Module
- Digital Labs - 4 Sets of PCB Board Module
- 2mm Test Leads

Address : 77 High Street#09-11, High Street Plaza, Singapore. 179433
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Digital Logic Lab Main Module

Technical Features:

- Fixed DC Power Supply: +5V, -5V, +15V, -15V
- Variable DC Power Supply: 0 ~ +25V
- Clock Generator:
  - Six Frequency Ranges
  - 1Hz
  - 10Hz
  - 100Hz
  - 1KHz
  - 10KHz
  - 100KHz
  - Output level: Independent and Simultaneous TTL and CMOS, CMOS output +15V
- Logic Indicators: 16 Independent LEDs with driver interface to indicate Logic 'LO' & 'HI'
- Data Switches: 2 X 8-bit DIP Switches
- 4 X Toggle Switches with TTL and CMOS Outputs with NO and NC contacts
- 7-Segment Display: 4xDisplays with BCD to 7-Segment Decoder/Driver
- Pulser Switches: Two Switches with TTL & CMOS De-bounced Q and Q' Outputs
- Speaker: 8 Ohm 0.5W speaker with Audio Amplifier

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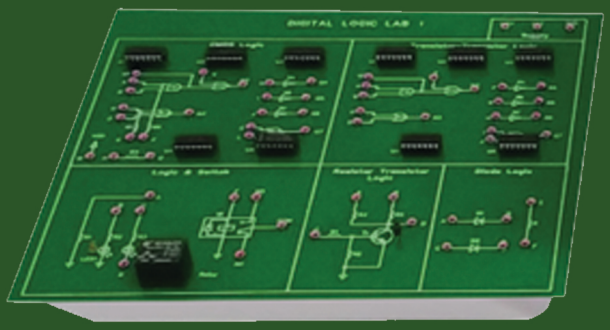
Digital Logic Lab Digital Logic Lab 1

Experiment:



- Logic Gates Circuits
- Diode Logic (DL) Circuit
- Resistor-Transistor Logic (RTL) Circuit
- Diode-Transistor Logic (DTL) Circuit
- Transistor-Transistor Logic (TTL) Circuit
- Complementary-Metal Oxide-Semiconductor (CMOS) Circuit
- TTL I/O Voltage and Current Measurement
- CMOS Voltage and Current Measurement
- TTL Gate Delay time Measurement
- CMOS Gate Delay Time Measurement
- AND Gate Characteristics Measurement
- OR Gate Characteristics Measurement
- INVERTER Gate Characteristics Measurement
- NAND Gate Characteristics Measurement
- NOR Gate Characteristics Measurement
- XOR Gate Characteristics Measurement
- CMOS to TTL Interface

Required Unit:

- Main Module

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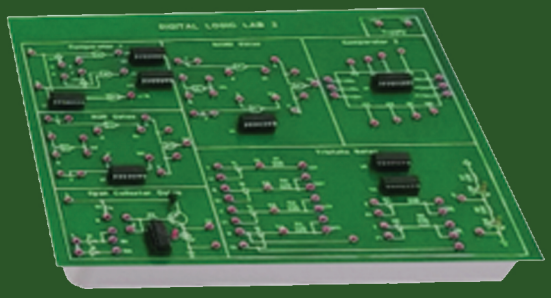
Digital Logic Lab Digital Logic Lab 2

Experiment:



- NOR Gate Circuit
- NAND Gate Circuit
- Constructing XOR Gate with NAND Gate
- Constructing XOR Gate With Basic Gate
- AND-OR-INVERTER (A-O-I) Gate Circuit
- Comparator Constructed with Basic Logic Gates
- Comparator Constructed with TTL IC
- Schmitt Gate Circuit
- High voltage/Current Circuit
- Circuit with Open-Collector Gate
- Truth Table Measurements
- Constructing an AND Gate with Tristate Gate
- Bidirectional Transmission circuit

Required Unit:

- Main Module

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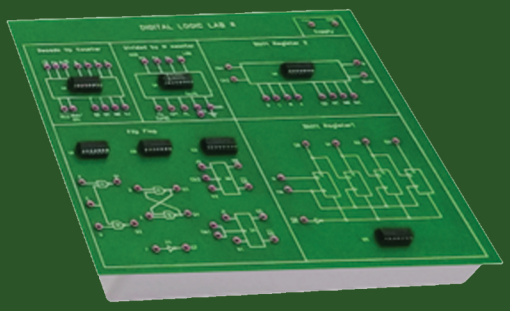
Digital Logic Lab Digital Logic Lab 8

Experiment:

- Asynchronous Decade Up-Counter
- Asynchronous Divide-by-N Up-Counter
- Constructing a R-S Flip-Flop with Basic Logic Gates
- Constructing a D Flip-Flop with R-S Flip-Flop
- Constructing a J-K Flip-Flop
- Constructing a J-K Flip-Flop with RS Flip-Flop
- Constructing a Shift Register with D Flip-Flop
- Preset Left/Right Shift Register
- Constructing a Noise elimination Circuit with RS Flip-Flop



Required Unit:

- Main Module

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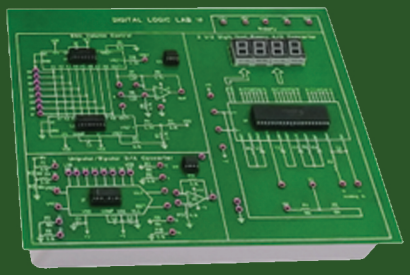
Digital Logic Lab Digital Logic Lab 10



Experiment:

- Digital to Analog Conversion
- Analog to Digital Conversion
- Real World Process in Digital Multimeter
- Unipolar DAC Circuit
- Bipolar DAC Circuit
- 3 1/2-digit Converter Circuit
- DAC Using Op-Amp

Required Unit:

- Main Module

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