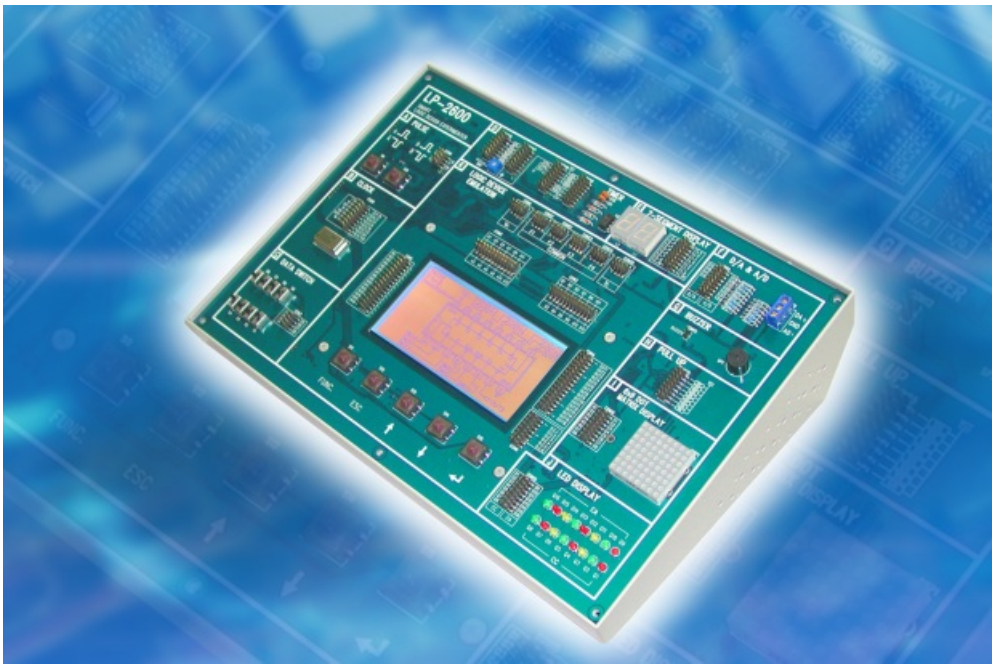
LP-2600

Smart Logic Design Experimental Lab



Features

- System built-in experimental unit of basic logic gates, assembled logic and digital logic units.
- No need TTL and CMOS devices to do experimental circuits. Save amount of materials and time to solder devices.
- No need to solder IC devices to learn about practical experiments and basic logic programs quickly.
- Offers smart INPUT and OUTPUT circuit linkage function.
- Offers practical input control settings. Reveal each gate, IC gate linkage and output linkage results on output circuit.
- Offers the pin of measurement point for convenient to measure various test point practically.
- Fit for standard digital logic experiment programs.

Devices Emulating Module

- Display: 240 x 128 LCD
- Emulating:
  1. TTL IN (x28) PIN
  2. TTL OUT (x28) PIN
  3. O.C. OUT (x6) PIN
  4. Control keypad: FUNC, ESC, ↑ , ↓ , ↵

Input Unit

- Logic Switch: S1～S8
- Singal Generator:
  1. A, /A → 100 ms Pulse
  2. B, /B → 100 ms Pulse
  3. Clock: 1 Hz/10 Hz/100 Hz/1 KHz/ 10 KHz /100 KHz/1MHz
  4. CLK/2, CLK/4, CLK/8, CLK/16, CLK/32, CLK/64, CLKIN

Output Unit

- Standard Circuit Module
  1. Common anode LED display x 8
  2. Common cathode LED display x 8
  3. Isolated common anode 7 segment display x 2
  4. 8 x 8 monochrome dot matrix LED
  5. BUZZER unit
  6. VH, VL, common point x 4
- Advanced Circuit Module
  1. 555 Circuit unit
     a. Monostable Multi-vibraters
     b. Non-stable Multi-vibraters
  2. D/A unit
  3. A/D unit
  4. PULL UP circuit experiment
- Advanced Software Module
  Allow users to edit and revise experimental circuits.
  1. To download experimental circuits to experimental lab
  2. To create experimental circuits for various certificated levels

Experimental Content

1. Basic Logic gates experiment
2. Assembled logic gates experiment
3. Adder experiment
4. Subtracter experiment
5. Assembled logic application
6. Digital logic application
7. Sequential logic experiment
8. Sequential logic application
9. D/A converter experiment
10. A/D converter experiment
11. 555 multi-vibraters circuit experiment
12. PULL UP circuit experiment

Application program

1. Basic / Logic Experiment Program
2. Basic / Logic Circuit Experiment Program
3. Digital Circuit System Design

Electric specification

1. AC 90～260V 50/60 Hz
2. Stand-Alone experimental platform

Accessories

1. Textbook x 1
2. AC line x 1
3. Single-core cable x 52

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