



Scientech 2611DS Digital Work Station is very useful in digital laboratories for performing digital circuit experiments in colleges and universities. It is also useful in testing circuits and making projects related to digital electronics. This Platform has various functional blocks like DC supply, pulse generator, pulser switch, data switch for input, logic probe, 8 bit LED display for output and frequency division unit. Scientech 2611DS has a graphical LCD which shows the list of experiments and gate level diagrams of selected experiments. Bread board to perform additional experiments by using on board supply and other controls is also provided.

Features

- Self contained & easy to operate.
- Graphical LCD to show the menu of experiment and gate level diagram for selected experiment.
- More than 51 Digital electronics experiments on single board
- Solder less breadboard.
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- On Board DC Power Supply.
- On board Pulse Generator.
- Online Product Tutorial

Scope of Learning

Sciencetech 2611DS offers wide scope of experimentation in digital circuit experiments such as :

Study of operation of:

- Not gate, OR gate and AND gate
- Universal & NAND gate
- XOR and XNOR gate
- NOT Gate Using NAND Gate
- OR Gate Using NAND Gate
- AND Gate Using NAND Gate
- AND-OR & NOR Gate
- NAND-OR & NOR Gate
- NAND-NAND Gate
- NOR-NOR Gate
- Half & Full Adder
- Half & Full Subtractor
- 4-1 MUX
- 1-4 DMUX
- 4-2 Encoder

Technical Specifications

Size of Breadboard	: 172.5 mm x 68mm
DC Supply	: +5 V, 500 mA
Clock Frequency	: 1 Hz, 100 Hz, 1 KHz, 100 KHz
Amplitude	: 3.3V (TTL)
Duty cycle	: 50 %, TTL output
Pulsar Switches	: 2 Nos.
Graphical LCD	: 128 X 64 dots
Data switches	: 8 Nos. (Toggle switches for both TTL modes)
LED display	: 8 Nos. (TTL)
Seven Segment Display:	3 Nos.
Dimensions (mm)	: W 326 x D 252 x H 52
Main Supply	: 100V - 240V AC, 50/60Hz
Weight	: 1.5 Kg. (approximately)
Operating Conditions	: 0-40 ⁰ C, 85% RH
Product Tutorial	: Online
Included Accessories	: Bread Board-2 nos. Connecting Wire-20nos. 2mm to 1mm Patch Cord-8 nos. 2mm to 2mm Patch Cord-8 nos. Mains Cord-1 no.

