

Product Name :

Digital Lab

Product Code :

ALABS-A36-063

**Description :****Digital Lab**

We have in store the best-in-class **Digital Lab** for our valued clients. These products are designed for elementary as well as advance training of digital electronics. Designed to perfection, these products are widely appreciated for their longer service life and efficiency

Product description:

- It covers regular digital circuits by solder-less interconnections on breadboard
- Compatible with all optional modules through use of 2mm brass terminals and patch
- cords
- Provided with clock generators, logic level input/output indicators and DC regulated power supplies

- Housed in an enclosure which supplied with mains cord, patch cords, instruction manual and component set
- Weight: 0.7 Kg. (Approx)
- Dimension: W 176 x H 131 x D 37

Experimental coverage:

- Logic gates operation
- To verify De-morganTMs theorem with boolean logic equations
- Binary to gray code conversion
- Gray code to binary conversion
- Binary to excess-3 code conversion
- Binary adder and subtractor
- Binary multiplier
- EX-OR gate implementation
- Application of EX-OR gate
- Johnson counter
- To verify the dual nature of logic gates
- Study of flip-flops RS, JK, D&T
- Multiplexer and demultiplexer
- 4 bit binary up and down counter
- Study of 8 to 3 line encoder
- Study of 3 to 8 line decoder
- Study of shift register (SIPO)
- CMOS-TTL interfacing
- Study of crystal oscillator
- Study of pulse stretcher circuit



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