

Product Name :
Digital Lab

Product Code :
NLAB-EDUSCHOOLEQ197002



Description :

Digital Lab

Technical Specification :

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

Experimental coverage:

Logic gates operation

To verify De-morgan's 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 de multiplexer

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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