NAUGRA®

Product name:	Product code:
Digital Electronic Trainer	ELC-WORK-0001



Description

Digital Electronic Trainer

Technical specification

Half Adder.

Full Adder.

Half Subtractor.

Full subtractor.

Even / Odd Parity Checker.

Multiplexer.

Demultiplexer.

Binary to Gray Converter.

Gray to Binary Converter.

2 Bit Comparator.

Construction and verification of various types of counters:-

Down Counter.

3 Bit Synchronous Ripple UP Counter.

3 Bit Asynchronous Ripple UP Counter.

Ring Counter.

Decade Counter.

Construction and verification of 4 Bit Universal Shift Register:-

Parallel Input Parallel Output (Parallel load operation).

Shift Right Operation (Serial Input serial Output).

Shift Left Shift Register.

Study of 7 - Segment Display And Decoder / Driver.

Many other experiments are possible using the onboard components and Breadboard.

Study of basic gates and verification of their truth tables:-

NOT, OR, AND, NOR, NAND, EX-OR, EX-NOR.

Study and verifications of the law of Boolean algebra and De-Morgan's Theorems.

NAUGRA®
Civil Laboratory Equipment Manufacturers and Suppliers India Civil Lab Exportrs India
Email us at: export@civilmechanicalindia.com

Study of important TTL terminologies. Verification of important TTL Circuit parameters.

Construction and verification of various types of flip-flops using gates and Ic's :

RS Flip-flop 4.2 J-K Flip-flop.

D Flip-flop 4.4 T Flip-flop.

Construction and verification of various types of combinational circuits:-