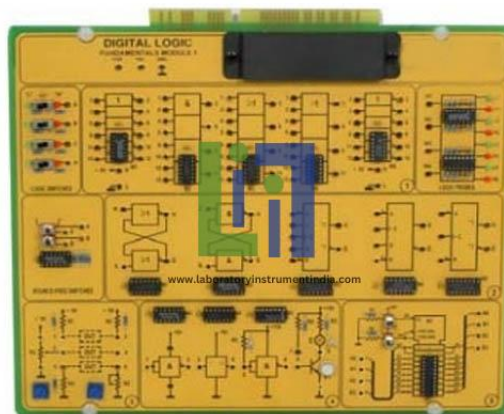




Email : sales@laboratoryinstrumentindia.com

Product Name :
Digital Logic Fundamentals 1

Product Code :
LBNY-0005-12400063



Description :

Theoretical topics:

Ideas of logic: logic connectives and fundamental theorems of the Boolean algebra
Minimization techniques of logic functions through theorem applications and Karnaugh maps
Logic gates and truth tables
Fundamental logic operators
Binary system
Logic functions
Algebraic description of the logic networks and the truth tables
Theorems of the Boolean algebra
NOT, AND, OR logic operators
Operation of the AND and OR operators as control devices in the transfer of logic signals
Operation of the NAND and NOR operators as control devices in the transfer of logic signals and carrying out of logic functions
Canonical forms of a function
Graphic representation of functions
AND OR NOT function
NAND and NOR logic operators
Generalities and definition of flip flop
JK flip flop
T and D flip flops
SR flip flop, with NOR and NAND operators
Interfacing with the bus
Fault simulation

Fundamental logic families
Interfacing of the logic families, outputs and types of TTL circuits
The open collector gates
Characteristic parameters of the logic gates

Circuit blocks:

Open Collector
SET RESET Flip Flop
JK Flip Flop
AND NAND
OR NOR
Built in clock circuit
Manual input signal control
XOR XNOR
Data Bus Control In addition, the Circuit Board contains:
+5 V regulated supply.

Technical Specification :

Digital Logic Fundamentals 1



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