

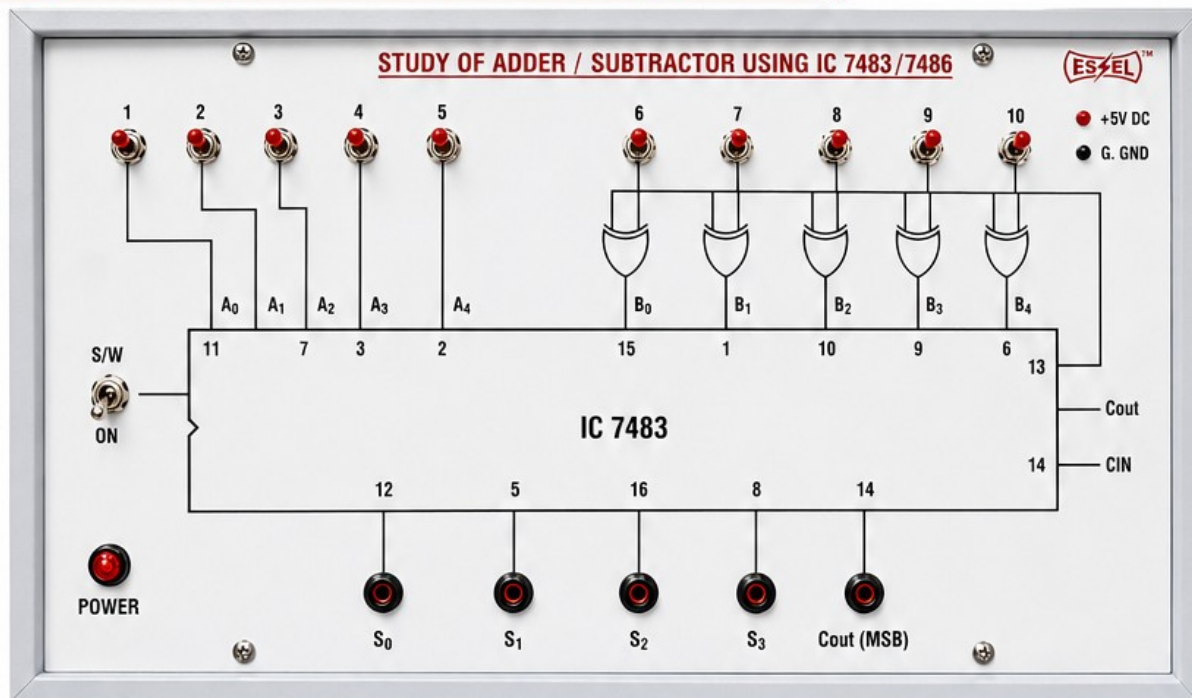
STUDY OF ADDER / SUBTRACTOR USING IC 7483/7486

Digital Arithmetic Training. Precision Learning.

Advanced Digital Electronics Trainer for Educational & Industrial Applications



An ISO 9001:2015
CERTIFIED CO.



OVERVIEW

The Study of Adder / Subtractor Using IC 7483/7486 Trainer is designed to demonstrate binary addition and subtraction operations using digital integrated circuits. The trainer helps students understand arithmetic logic operations, binary number systems, carry generation, complement techniques, and digital circuit implementation through practical experimentation.

The system is ideal for engineering colleges, polytechnics, technical institutes, laboratories, and research centers for digital electronics education and training.



High Accuracy

Reliable practical demonstrations.



Robust Design

Industrial-grade construction.



Easy Operation

Simple connections and operation.



Reliable Performance

Long-lasting and dependable trainer.

SPECIFICATIONS

Parameter	Specification
Product Name	: Study of Adder / Subtractor Using IC 7483/7486
ICs Used	: IC 7483, IC 7486
Function	: Binary Adder and Subtractor
Arithmetic Operations	: Addition and Subtraction
Inputs	: A ₀ -A ₃ , B ₀ -B ₃ , Carry Input
Outputs	: S ₀ -S ₃ , Carry Output
Logic Family	: TTL Compatible
Input Selection	: Toggle Switches
Output Indication	: LED Indicators
Power Supply	: +5V DC
Power Indicator	: LED
Construction	: Metal Panel Mounted
Mounting	: Table Top Trainer
Dimensions	: Approx. 340 × 210 × 60 mm
Weight	: Approx. 1.8 kg
Applications	: Digital Electronics Labs, Engineering Education, Training Institutes & R&D Centers

KEY FEATURES

- Based on IC 7483 and IC 7486
- Demonstrates Binary Addition and Subtraction
- Individual Input Selection Switches
- Carry Input and Carry Output Provision
- LED Output Indication
- Clear Circuit Representation
- Educational Circuit Layout
- Rugged Metal Panel Construction
- Compact and Portable Design
- Easy Fault-Free Operation
- Laboratory Ready Trainer

APPLICATIONS

- Digital Electronics Experiments
- Arithmetic Logic Studies
- Binary Addition Demonstrations
- Binary Subtraction Demonstrations
- Logic Circuit Analysis
- Engineering Colleges
- Polytechnic Institutes
- Technical Training Centers
- Skill Development Programs
- Research & Development Laboratories

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