

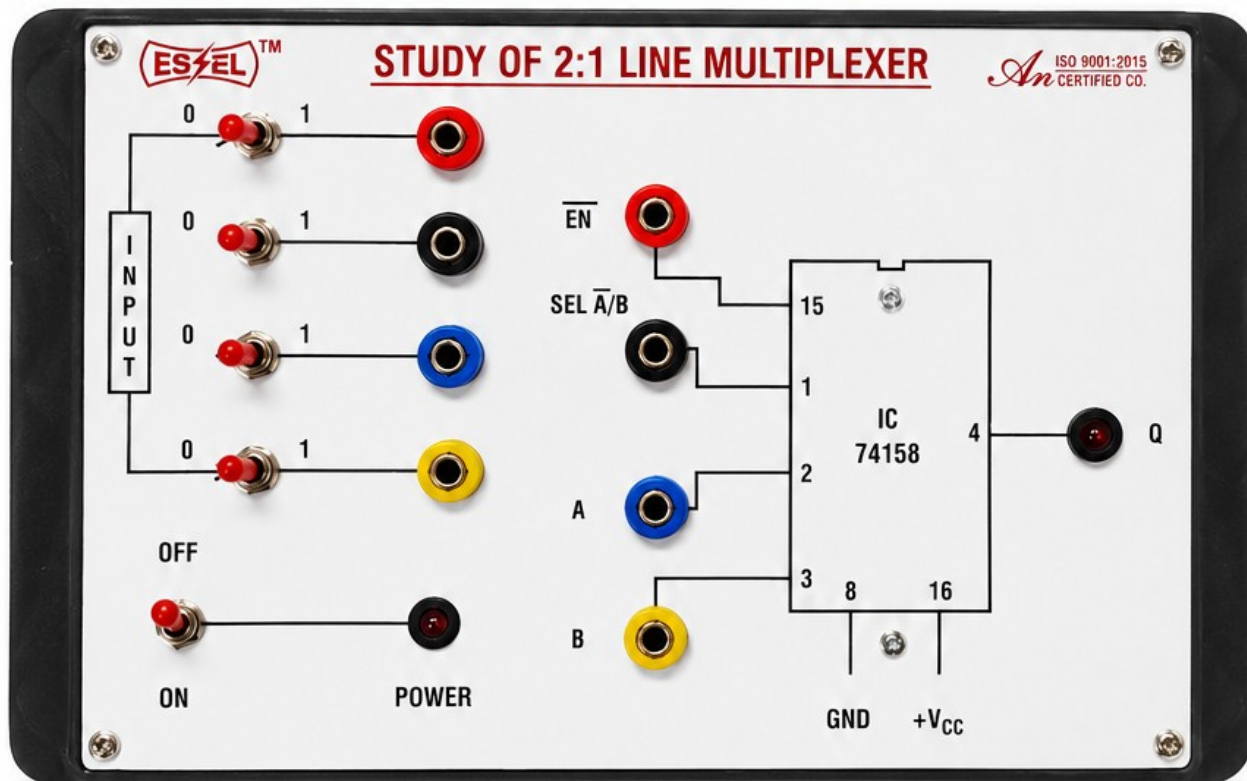
# 2:1 MULTIPLEXER

Precision Logic Training. Trusted Performance.

Advanced Digital Electronics Trainer for Educational & Industrial Applications



An ISO 9001:2015  
CERTIFIED CO.



## OVERVIEW

The **2:1 Multiplexer** is a fundamental digital electronics trainer designed to demonstrate the operation of a 2-to-1 data selector. It helps students understand digital switching, selection logic, and data routing through hands-on experimentation.

Widely used in engineering colleges, polytechnics, vocational institutes, laboratories, and R&D centers for digital electronics 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

- **Product Name** : 2:1 Multiplexer
- **IC Used** : 74158
- **Function** : 2-to-1 Data Multiplexer
- **Data Inputs** : 2 Inputs (A, B)
- **Select Input** : SEL A/B
- **Enable Input** : EN
- **Output** : Q
- **Logic Family** : TTL Compatible
- **Supply Voltage** : +5V DC
- **Power Indicator** : LED
- **Mounting** : Metal Panel Mounted
- **Construction** : Industrial Grade Trainer
- **Dimensions** : Approx. 310 × 190 × 60 mm
- **Weight** : Approx. 1.2 kg
- **Applications** : Digital Electronics Labs, Engineering Education, Training Institutes & R&D Centers

## FEATURES

- Based on IC 74158 2:1 Multiplexer
- Clear demonstration of multiplexing operation
- Individual input selection switches
- Enable and select control provision
- Visual indication of output and power status
- Educationally designed circuit layout
- Durable metal panel construction
- Laboratory and classroom friendly
- Easy fault-free operation
- Compact and portable design
- Ideal for practical digital electronics experiments

## APPLICATIONS

- Digital Electronics Experiments
- Logic Design Demonstrations
- Educational Laboratories
- Engineering Colleges
- Polytechnic Institutes
- Technical Training Centers
- Skill Development Programs
- Research & Development Labs

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