

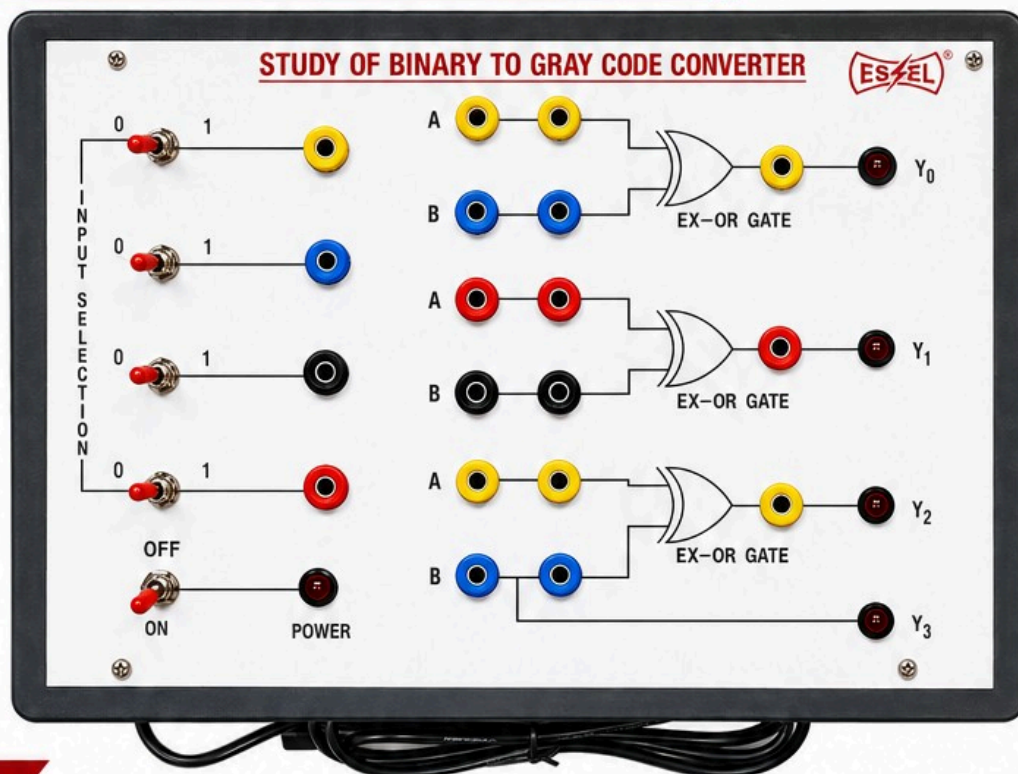
BINARY TO GRAY CODE CONVERTER

Digital Logic Training. Precision Learning.

Advanced Digital Electronics Trainer for Educational & Industrial Applications



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OVERVIEW

The Binary to Gray Code Converter Trainer is designed to demonstrate the conversion of binary numbers into Gray code using XOR gate logic. The trainer helps students understand coding techniques, digital data representation, logic gate implementation, and code conversion principles 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	Binary to Gray Code Converter
Function	Binary to Gray Code Conversion
Conversion Type	4-Bit Code Converter
Logic Gates Used	Exclusive-OR (XOR) Gates
Inputs	4 Binary Inputs
Outputs	4 Gray Code Outputs
Input Selection	Toggle Switches
Output Indication	LED Indicators
Logic Family	TTL Compatible
Supply Voltage	+5V DC
Power Indicator	LED
Construction	Metal Panel Mounted
Mounting	Table Top Trainer
Dimensions	Approx. 310 × 210 × 60 mm
Weight	Approx. 1.5 kg
Applications	Digital Electronics Labs, Engineering Education, Training Institutes & R&D Centers

KEY FEATURES

- Binary to Gray Code Conversion Demonstration
- XOR Gate Based Design
- Individual Input Selection Switches
- Visual Output Indication
- Educational Circuit Layout
- Rugged Metal Panel Construction
- Compact & Portable Design
- Laboratory Ready Trainer
- Easy Fault-Free Operation
- Industrial Grade Build Quality

APPLICATIONS

- Digital Electronics Experiments
- Code Conversion Studies
- Logic Gate Demonstrations
- Data Encoding Applications
- Engineering Colleges
- Polytechnic Institutes
- Technical Training Centers
- Skill Development Programs
- Research & Development Laboratories

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