



## Description

The Fault Finding Thyristor Board is designed for practical training in power electronics and fault diagnosis. The trainer enables students to analyze, identify, and rectify common faults in thyristor-based control circuits through guided troubleshooting exercises.

## Features

- Fault Finding Training Board for Thyristor Circuits
- One Fault Per Mother Board
- Prewired Circuit for Easy Testing and Analysis
- Clearly Marked Test Points
- Real-Time Fault Simulation
- Suitable for Power Electronics and Maintenance Training
- Industrial Grade Components
- Supplied with Circuit Diagram and User Manual

## Fault Simulation Facilities

The board incorporates the following fault conditions:

1. Bridge Rectifier – One Diode Open Circuit
2. SCR2 Open Circuit Fault
3. Load Fault – Lamp Open Circuit
4. Zener Diode Short Circuit
5. Zener Diode Open Circuit
6. UJT Faulty
7. Rheostat Open Circuit
8. Healthy Board (No Fault Condition)
9. Supply Fuse Blown

*Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.*



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**Learning Outcomes**

- Study of Thyristor-Based Circuits
- Fault Detection and Diagnosis Techniques
- Testing of Rectifiers, SCRs, Zener Diodes, UJTs, and Loads
- Use of Test Instruments for Troubleshooting
- Understanding of Common Power Electronics Faults
- Maintenance and Repair Practices

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