

# HALF FULL BRIDGE RECTIFIER









## PRODUCT OVERVIEW

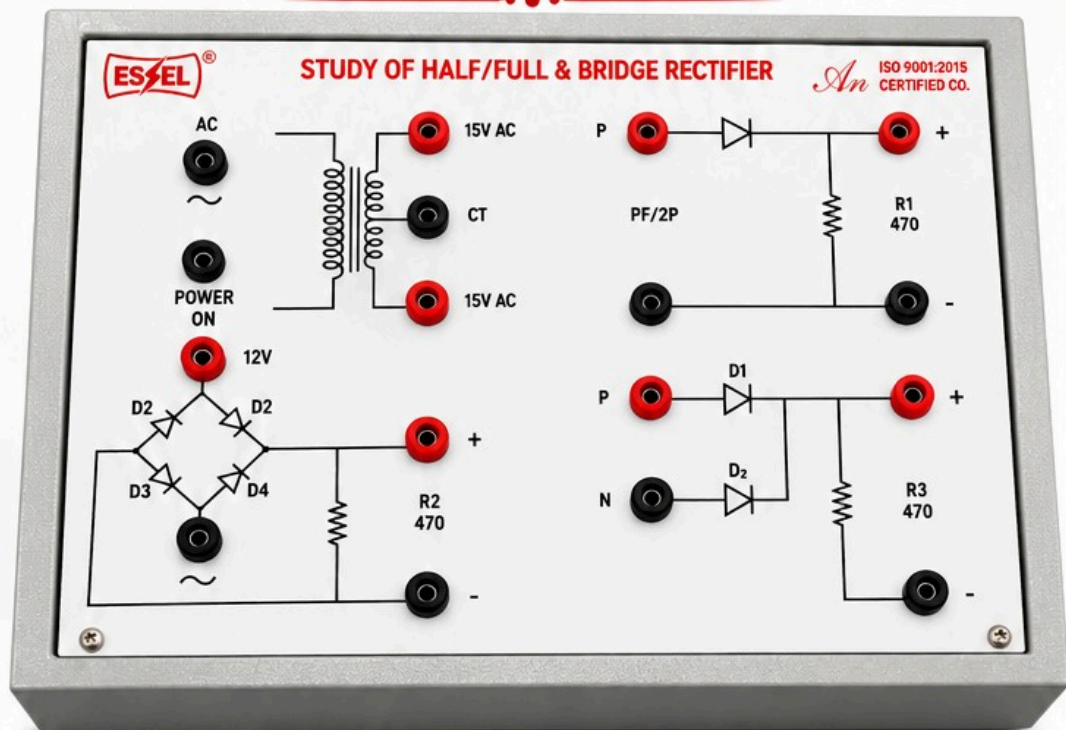
The Half Full Bridge Rectifier Trainer is designed to demonstrate and study Half Wave, Full Wave and Bridge Rectifier circuits. It helps students understand AC to DC conversion, rectification principles, ripple characteristics and output performance through practical experimentation.

## KEY FEATURES














-  Study of Half Wave, Full Wave and Bridge Rectifier
-  Clearly Printed Circuit Diagram
-  Built-in Transformer Power Supply
-  High Quality Silicon Diodes
-  4 mm Safety Banana Sockets
-  Rugged & Compact Design
-  Easy to Operate & Understand
-  Ideal for Educational Labs

## EXPERIMENTS

-  Study of Half Wave Rectifier
-  Study of Full Wave Rectifier
-  Study of Bridge Rectifier
-  Observation of Input & Output Waveforms
-  Measurement of DC Output Voltage
-  Comparison of Rectifier Performance
-  Study of Ripple Characteristics
-  Verification of Rectification Theory



## SPECIFICATIONS

 Product Name	▶ Half Full Bridge Rectifier
 Input Supply	▶ 230V AC, 50Hz
 Transformer Output	▶ 15 – 0 – 15V AC (Center Tapped)
 Rectifier Circuits	▶ Half Wave Rectifier, Full Wave Rectifier Bridge Rectifier
 Diodes	▶ Silicon Rectifier Diodes Mounted on Panel
 Load Resistance	▶ 470 Ω Fixed Load Resistors
 Output	▶ DC Rectified Output Available
 Test Points	▶ Input & Output Terminals Provided
 Connections	▶ 4 mm Safety Banana Sockets
 Panel	▶ Printed Educational Circuit Layout
 Cabinet	▶ Powder Coated Mild Steel Cabinet
 Dimensions (Approx.)	▶ 300 (W) x 250 (D) x 120 (H) mm
 Weight (Approx.)	▶ 3 – 5 Kg

## APPLICATIONS



Electronics Laboratories



Engineering Institutions



Polytechnic Colleges




Research & Development



Vocational Training Centers

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