

Three phase fully/half controlled bridge rectifier with resistive and inductive loads



Product Categories: [Electronics](#), [Engineering Equipment](#), [Power Electronics Lab](#), [Power Electronics Lab](#)

Product Page:

<https://www.labappara.com/product/three-phase-fully-half-controlled-bridge-rectifier-with-resistive-and-inductive-loads/>

Product Description

Three phase fully/half controlled bridge rectifier with resistive and inductive loads

Features:

Overload protection

High performance

Low maintenance

Other Details:

Completely self-contained stand-alone unit.

Demonstrates the principle and working of 3 ϕ Half Wave Controlled Rectifier using SCR.

Trigger circuit separate for each phase.

Trigger circuit using Ramp Comparator Scheme.

Step down 3 ϕ AC supply 110V star connected is provided so that phase control can

be observed on lamp.

Resistive (lamp) and RL load is provided.

Firing angle can be controlled from about 300 to 1700.

Firing angle potentiometer is provided.

3 ϕ Bridge consisting of 3 SCR's and 3 diodes.

Supply required 3 ϕ 440V, 50Hz AC.

Test points at various stages in the circuit, to observe the voltages and waveforms.

Set of patch cords provided.

Housed in an elegant cabinet with a well spread intelligently designed circuit layout on the front panel.

Strongly supported by a comprehensive manual complete with theory and operating details.