

## 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  $\phi$  Half Wave Controlled Rectifier using SCR.

Trigger circuit separate for each phase.

Trigger circuit using Ramp Comparator Scheme.

Step down 3  $\phi$  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  $\phi$  Bridge consisting of 3 SCR's and 3 diodes.

Supply required 3  $\phi$  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.