



**36379** Experimentation With Rectifiers is a demanding training system for the laboratories. It is useful in understanding the basic concepts of a DC power supply. This trainer describes the Transformer, Rectifiers and Filter. It is provided with two types of rectifiers :

1. Half-wave Rectifier
2. Full-wave Rectifier (Center tapped and Bridge Rectifier)

The training system is designed in such a way that for performing any experiment students have to connect the links by patch cords, so it is very helpful for students to learn the inputs and outputs of different sections of any power supply circuit.

#### Features

1. Real time appearance of components
2. Test points are provided in different sections of power supply
3. Designed by considering all the safety standards
4. Low cost trainer including many experiments
5. Online product tutorial

#### Object

1. Study of Half-wave Rectifier
2. Study of Full-wave Center-tapped Rectifier
3. Study of Full-wave Bridge Rectifier
4. Calculation of Ripple Factor and Efficiency of various Rectifiers

#### Technical Specifications

Transformer Rating	: 9V center tapped (300mA) approximate
Half wave Rectifier output	: +4V DC approximate
Center-Trapped Rectifier	: +8V DC approximate
Bridge Rectifier Output	: +8V DC approximate
Filter	: LC Type
Load	: Resistive 220W, 0.5W
Mains Supply	: 230V $\pm$ 10%, 50Hz
Dimensions (mm)	: W 250 x D 150 x H 80

Note: Specifications are subject to change.