



Power Electronic Training Board has been designed specifically for the study of three phase half wave rectifier.

Practical experience on this board carries great educative value for Science and Engineering Students.

Object:

To observe the phase relation between the voltage waveforms in a three phase supply.
To observe the load waveforms & their phase in a three phase half wave rectifier with resistive load.

Features:

The board consists of the following built-in parts:

01. Three phase transformer.
 02. Digital Panel meter 3½ digits range 200V to measure the d.c. output voltage.
 03. Digital Panel meter 3½ digits range 200mA to measure the d.c. load current.
 04. 3 pole power contactor with AC coil complete with push to ON switch.
 05. Four pole Miniature Circuit Breaker (MCB).
 06. Three different colour neon indicator provided for indication .
 07. Resistive load 600E, 10 Watt.
 08. Three rectifier diodes.
 09. Three SPST switches.
 10. Three phase 415V at 50Hz, 20Amp. socket.
- * The unit is operative on 3-f415V at 50Hz A.C. Mains.
 - * Adequate no. of patch cords stackable 4 mm spring loaded plug length ½ metre.
 - * Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections/ observation of waveforms.

Other Apparatus Required:

- * Dual Trace Cathode Ray Oscilloscope 20MHz (Unearthed)
- * Isolation transformer 50W for unearthing the oscilloscope.

Note: Specifications are subject to change.

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