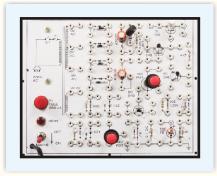


OPAMP AS HALF & FULL WAVE RECTIFIERS TRAINER

MODEL - OPRO1

This trainer has been designed with a view to provide practical and experimental knowledge of types of half & full rectifiers.



SPECIFICATIONS

- 1. Power supply requirement : 230V AC, 50 Hz.
- 2. Following parts provided on Single PCB with connecting terminals.
 - a. Mains transformer primary 230V A.C., Secondary centre tap 18-0-18V AC at 500 mA. Secondary centre tap 0-10V AC at 500 mA.
 - b. Silicon Junction Diodes 1N4002 4 Nos.
 - c. Filter Choke coil
 - d. Filter Capacitors 1000u/25V 2 Nos.
 - e. Zener Diode 9.1 V 1 No.
 - f. Load Resistors 2 No. (1K and 2K2)
- 3. Standard Accessories
- : 1. User Manual with practical and circuit diagrams.
 - 2. Connecting patch cords 10 nos.

EXPERIMENTS

- 1. To study Junction Diode Rectifier output and ripples content for different resistive loads for:
 - (a) Half Wave
 - (b) Full Wave (Centre Tap)
 - (c) Full Wave (Bridge)
 - (d) Voltage Doublers Circuit
- 2. To study filter and load regulation characteristics for half wave, full wave and Bridge rectifier having Different resistive loads and filters of the types:
 - (a) Capacitor filter
 - (b) Capacitor Filter with capacitor value doubled
 - (c) Inductor filter.
 - (d) Capacitor input L Section filter.
 - (e) Capacitor Input Ù section filter.

In keeping view of SIGMA policy of continuous development and improvement, the Specifications may be changed without prior notice or obligation.

Sigma Trainers

E-103, Jai Ambe Nagar, Near Udgam School, Thaltej, AHMEDABAD - 380054. Phone: 079-26852427 / 26767512

Fax : 079-26840290 / 26759661
ISDN : 079-26859162 / 26853758
Email : sales@sigmatrainers.com
: sigmatrainers@sify.com

Web: www.sigmatrainers.com

Dealer:-