



POWER SUPPLY TRAINER

MODEL - RPS100BG

This trainer has been designed with a view to provide practical and experimental knowledge of Regulated power supply on SINGLE PCB.



SPECIFICATIONS

1. Power supply requirement : 230V AC, 50 Hz.
2. Builtin AC source : 9-0-9 VAC pp.
3. Following parts provided on Single PCB with connecting terminals.
 - Diodes - 1N4007 : 4 Nos
 - Electrolytic Capacitors : 1 No.
 - Zener Diode : 1 No.
 - Resistor : 1 No.
 - Three terminal IC : 1 No.
 - Transistor - BC548B/2N3904 : 2 Nos.
4. The complete circuit diagram should be is screen printed on component side of the PCB with circuit and Parts at the same place. The true value of component is printed on component side.
The PCB with components on front side is fitted in elegant wooden box having lock and key arrangement
The acrylic cover is fitted on PCB to safeguard parts. It has holes for alignment and repair.
The testing points are provided with 1.25" tags to connect CRO probe, All Trainers are operated on 230V AC mains and must be self-contained unit.
5. Standard Accessories : User Manual with practical and circuit diagrams.

EXPERIMENTS

1. To Study Regulated Power Supply
2. To construct Series Regulated Power supply and observe its characteristics.
3. To construct Shunt Regulated Power supply and observe its characteristics.

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