POWER SUPPLY EXPERIMENTAL UNIT

Project Report Submitted by

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ABSTRACT

This textbook deals with the design, construction and testing of power supply units suitable for experimental work in the laboratories.

The power supply modules constructed, demonstrate the principles of operation of power supplies, ranging from simple half wave rectified unregulated to a highly regulated switching power supply.

Detailed description of the theory and the construction of each module, together with experimental procedures is included in the textbook.

All modules were constructed on printed circuit boards and tested.

Also module panels on which full circuit information is shown were constructed. Each module is fitted with standard banana plugs for external connections and module inter-connection.

Test points are provided on each module so as to enable the user to understand better the operation of the different kinds of power supply.

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