



OMEGA TYPE MCH-27 Experimental Set Up has been designed specifically for Designing and Fabrication of Printed Circuit Board. There are a number of different process which are used to manufacture a PCB, which is ready for component assembly from a copper clad base material.

Actual processes used for manufacturing a PCB depend on the board complexity and application for which PCB is intended. In this setup we will study about following.

- 01 Study of Printed Circuit Board
- 02 Types of Laminates
- 03 Manufacturing of copper clad laminates
- 04 Properties of copper clad laminates
- 05 Manufacturing of single-sided boards
- 06 Manufacturing of double-sided PCBs
- 07 Study of soldering materials & tools
- 08 Design and Fabrication of Printed Circuit Board for a regulated power supply.
- 09 Assemble the regulated power supply using PCB and test it.

OBJECT

- 01 Design and Fabrication of Printed Circuit Board for a regulated power supply.
- 02 Assemble the regulated power supply using PCB and test it.

FEATURES

The set-up consist of following items.:

- 01 10 pieces Copper clad sheet
- 02 Hand drill with Bit
- 03 Ferric chloride (FeCl₃)
- 04 Etch resist pen (Permanent marker)
- 05 Twiser
- 06 Cutter
- 07 Ceramic Tray
- 08 Soldering iron
- 09 Solder wire
- 10 Flux
- 11 Electronic components for regulated power supply
- 12 A board fitted with step-down transformer, jewel light, switch, fuse, terminals and mains lead.
- 13 Strongly supported by detailed Operating Instructions.
- 14 Weight : 3 Kg. (Approx.)

OTHER APPARATUS REQUIRED:

- 01 Digital Multimeter OMEGA TYPE DMM-201

We are committed to the continuous development of our products, and therefore reserve the right to amend specifications without prior notice.

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