



OMEGA TYPE PET-451 Study of buck boost principle has been designed with a view to provide practical/experimental knowledge of Automatic two step Buck Boost Principle with electronically controlled circuit.

All the components and test points of the Principle are spread on the panel at appropriate places. A diagram is neatly drawn on the panel.

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

OBJECT

- 01 To demonstrate the Buck Boost principle.
- 02 To demonstrate the lower voltage setting.
- 03 To demonstrate the upper voltage setting.
- 04 To demonstrate automatic voltage stabilization of A.C. Voltage.

FEATURES

- 01 The unit consists of Automatic two step Buck-Boost Principle with electronically controlled circuit.
- 02 Adequate nos. of other electronic components.
- 03 Mains ON/OFF switch, fuse & jewel light.
- 04 The unit is operative on 230VAC $\pm 10\%$ at 50Hz.

05 Good Quality, reliable connector are provided at appropriate places on panel for connections to microprocessor/PC and terminals to connect external counter.

06 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

07 Weight : 4 Kg. (Approx.)

08 Dimension : W 415 x H 165 x D 315

SPECIFICATIONS

01 INPUT VOLTAGE : 180-270 Volt AC

02 OUTPUT VOLTAGE : 200-240 Volt AC

03 FREQUENCY : 50 Hz

04 OUTPUT CURRENT : 1.1 Amp.

05 CAPACITY : 250 Watt

06 Weight : 6.300 Kg. (Approx.)

07 Dimension : W 415 x H 165 x D 315

OTHER APPARATUS REQUIRED:

- 01 Single Phase Variac Input 0-230V
Output 0-270V at 2Amp

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

OMEGA ELECTRONICS

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