



OMEGA TYPE ETB-107 Experimental Training Board has been designed to practically demonstrate the operation of a Switching Mode Power Supply. The Switching waveform and various voltages can be observed on the test points provided on the panel.

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

OBJECT

- 01 To observe various voltages and Switching waveforms on the SMPS Circuit.
- 02 To demonstrate the effect of load variation on the switching waveform.
- 03 To measure the following :
 - 3.1 Ripple.
 - 3.2 Load regulation.
 - 3.3 Line regulation.

FEATURES

The board consists of following built-in parts :

- 01 Complete SMPS circuit based on IC-723, having output 5V D.C. at 1.5 Amp.
- 02 Digital Voltmeter DC 3½ Digit Having range of 0- 20V.
- 03 Digital Ammeter DC 3½ Digit Having range of 0-2Amp
- 04 Three fixed value loads.
- 05 Mains ON/OFF switch, Fuse and Jewel light.
- 06 The unit is operative on 230VAC ±10% at 50Hz.
- 07 Adequate no. of patch cords stackable from rear both ends 4mm spring loaded plug length 50cm.
- 08 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections & observation of waveforms.
- 09 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.
- 10 Weight : 2.200 Kg. (Approx.)
- 11 Dimension : W 340 x H125 x D 210

OTHER APPARATUS REQUIRED :

- 01 Dual trace CRO 20MHz OMEGA TYPE CRO-20
- 02 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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