



OMEGA TYPE DB-20 is an Emergency Light Dynamic Demonstrator-cum Trainer using Fluorescent Tube. One can get familiar with the techniques used in Emergency Light units by measuring voltages at various points & viewing waveforms on a C.R.O.

Just keep it plugged in a mains socket and it will be a blessing in dark hours of mains failure. Practical experience on this board carries great educative value for Science and Engineering Students.

OBJECT

01 To understand the operation of Emergency Light by measuring voltages and viewing waveforms on a C.R.O. and to demonstrate the automatic operations of Emergency Light during mains failure.

FEATURES

The board consists of the following built-in parts :

- 01 Maintenance free lead acid battery of 4V, 5 AH Capacity.
- 02 High efficiency Inverter Circuit gives extra bright light.
- 03 Built-in battery charging facility to keep the battery always ready.

04 Battery on charge LED indicator.

05 Fluorescent Tube.

06 Good quality relay.

07 All Components fitted below the panel & Complete circuit diagram printed on it.

08 Mains ON/OFF switch, Fuse and Jewel light.

09 The unit is operative on 230V $\pm 10\%$ at 50Hz AC. Mains.

10 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections/ observation of waveforms.

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

12 Weight : 5 Kg. (Approx.)

13 Dimension : W415 x H165 x D315.

OTHER APPARATUS REQUIRED :

01 Digital Multimeter $3\frac{3}{4}$ digit

OMEGATYPE DMM-201

02 Dual trace CRO OMEGATYPE CRO-20

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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