



**OMEGA TYPE ES-339** Experimental setup has been designed specifically to Draw the Characteristics of a Photo Electric Cell (Vacuum Type). The experimental set-up is absolutely self contained and require no other apparatus.

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

#### OBJECT

- 01 To Draw the Characteristics of a Photo Electric Cell (Vacuum Type)

#### FEATURE

The complete experimental Set-up consists of:

- 01 One board with following built in parts :
  - 1.1 0-70V at 10 mA variable power supply.
  - 1.2 0-1V at 10 mA variable power supply.
  - 1.3 Digital panel meter  $3\frac{1}{2}$  digits having dual range 2/200 V.
  - 1.4 Digital panel meter  $3\frac{1}{2}$  digits having dual range 2  $\mu$ A / 200  $\mu$ A.
  - 1.5 Main ON / OFF Switch and Fuse.

- 02 LAMP HOUSE : With 100 W Bulb.

- 03 VACUUM TYPE PHOTO CELL : Mounted in an Iron Box.

- 04 OPTICAL FILTER : Yellow.

- 05 OPTICAL BENCH : Two 50 c.m. long steel rods  $\frac{1}{2}$ " dia. forming a bench with end supports having Levelling screws. one of two steel rods is graduated in c.m. and m.m. it has two riders one with transverse motion and one is fixed.

- 06 Dimension : W 340 x H 125 x D 210

- 07 Adequate no. of patch cords stackable 4mm spring loaded plug length 50cm.

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

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

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

**OMEGA ELECTRONICS**