OMEGA®

A SIGN OF QUALITY PRODUCT

DETERMINATION OF ELECTRONIC CHARGE AND THE WORK FUNCTION OF A PHOTO METAL USING PHOTO ELECTRIC CELL (VACUUM TYPE)

OMEGA TYPE ES-338

OMEGA TYPE ES–338 Experimental setup has been designed specifically to Determine the Electronic Charge and the Work Function of a Photo Metal Using Photo Electric Cell

(Vacuum Type) The experimental set-up is absolutely self contained and requires no other apparatus.

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

OBJECT

01 To Study the Photo Electric Effect and to Determine Electronic Charge and the Work Function of a Photo Metal Using Photo Electric Cell (Vacuum Type).

FEATURE

The complete experimental Set-up consists of :

01 One board with following built in parts :

1.1 0-1V at 10 mA variable power supply.

1.2 Digital panel meter 3½ digits having range 2 V.

1.3 Digital panel meter 3½ digits having range 2μA.

1.4 Main ON / OFF Switch and Fuse.

1.5 Good Quality, reliable terminal/sockets are provided for connections.

02 LAMP HOUSE : With 100/150 W Bulb.

03 VACCUM TYPE PHOTO CELL : Mounted in an Iron Box.

04 OPTICAL FILTERS : 3 Nos. Red, Blue, Green.

05 Dimension : W 340 x H 125 x D 210

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

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

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