



OMEGA TYPE ES - 281 Experimental Set Up has been designed specifically to study infrared radiations emitted by different sources using phototransistor & LDR.

The 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 infrared radiations emitted by different sources using phototransistor & LDR

FEATURES

The Experiment set-up consists of the following:

01. A.C. / D.C. Milliammeter, Diameter 65 mm TYPE SO-65 , to read (range 0-20 mA)
02. Regulated Power Supply with low ripple 5V at 20 mA
03. Phototransistor
04. Light Dependent Resistor (LDR)
05. Infrared sources such as an IR LED
06. Table Lamp with Incandescent lamps (40 W, 60 W, 100 W)
07. Variable resistance 0-100E for intensity adjust
08. Switch SPST 2A
09. Mains ON/OFF switch, Fuse and Jewel light.
10. The unit is operative on 230V \pm 10% at 50Hz A.C. Mains.
11. Adequate no. of patch cords stackable from rear both ends 4mm spring loaded plug length 50cm.
12. Good quality, reliable terminal/sockets are provided at appropriate places on panel for connections/ observation of waveforms.
13. Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.
14. Weight : 2 Kg. (Approx.)
15. Dimension : W 340 x H125 x D 210

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

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