OMEGA®

A SIGN OF QUALITY PRODUCT

DIODE, ZENER DIODE & LED CHARACTERISTICS

OMEGA TYPE ETB-266

OMEGA TYPE ETB-266 Experimental Training Board has been designed specifically for plotting the forward and reverse bias characteristics of a semiconductor Diode (Ge & Si), Zener Diode & LED.

The board is absolutely self contained and requires no other apparatus.

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

OBJECT

01 To study and plot the forward & reverse bias characteristics of a Germanium semiconductor Diode.
02 To study and plot the forward & reverse bias characteristics of a Silicon semiconductor Diode.
03 To study and plot the forward & reverse bias (breakdown) characteristics of a Zener Diode.
04 To study the characteristics of Light Emitting Diode (LED).

FEATURES

The board consists of the following built-in parts :

01 0-10V D.C. at 10mA, continuously variable regulated Power Supply with low ripple & hum and integral current limiting resistor.
02 Digital Voltmeter DC 3½ Digit Having Dual range of 2V / 20V.
03 Digital Current meter DC 3½ Digit Having Dual range of 20uA / 20mA
04 A Germanium semiconductor Diode mounted behind the panel.
05 A Silicon semiconductor Diode mounted behind the panel.
06 A Zener Diode mounted behind the panel.
07 A Light Emitting Diode (LED) mounted on the panel.
08 Adequate no. of other electronic components.
09 Mains ON/OFF switch, Fuse and Jewel light.
10 The unit is operative on 230V ±10% at 50Hz A.C. Mains.
11 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections / observation of waveforms.
12 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.
13 Weight : 2.300 Kg.
14 Dimension : W 340 x H 125x D210

LIST OF ACCESSORIES:

01 Patch cords stackable 4mm length 50cm Red.....03
02 Patch cords stackable 4mm length 50cm Black.....02

OMEGA ELECTRONICS

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