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| **Product Name :** | **Product Code :** |
|---|---|
| Diode and Zener Diode Characteristics | NLAB-ELECTRONICSAB420035 |

**Description :**

Diode and Zener Diode Characteristics

**Technical Specification :**

Experimental Training Board has been designed specifically for plotting the forward and reverse bias characteristics of a Germanium

semiconductor Diode, and a Zener Diode. 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 (breakdown) characteristics of a Zener Diode.

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 20mA / 20mA

04. A Germanium semiconductor Diode mounted behind the panel.

05. A Zener Diode mounted behind the panel.

06. Adequate no. of other electronic components.

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

The unit is operative on 230V ±10% at 50Hz A.C. Mains.

Adequate no. of patch cords stackable from rear both ends 4mm spring loaded plug length ½ metre.

## Naugralabequipments

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