Phone: +91-9896600003

Email: sales@naugralabequipments.com

Product Name:

Semiconductor Devices Characteristics

Product Code:

NLAB-ELECTRONICSAB420026



Description:

Semiconductor Devices Characteristics

Technical Specification:

Experimental Training Board has been designed specifically to study the Characteristics of a large family of Semiconductor Devices.

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

Object:

To study the characteristics of the following electronic devices :

- 01. Germanium and Silicon Diodes.
- 02. Zener Diodes.
- 03. Transistor (Bipolar) PNP and NPN.
- 04. Field Effect Transistor (FET).
- 05. Uni-Junction Transistor (UJT).

Phone: +91-9896600003

Email: sales@naugralabequipments.com

| 06. Light Emitting Diode (LED). |
|--|
| 07. Photo Diode. |
| 08. Photo Transistor . |
| 09. Thermistors N.T.C. and P.T.C. |
| 10. Voltage Dependant Resistor (V.D.R.). |
| 11. Light Dependant Resistor (L.D.R.). |
| 12. Opto-Coupler. |
| 13. DIAC. |
| 14. Silicon Controlled Rectifier (SCR). |
| 15. TRIAC. |
| 16. Varactor Diode (Varicap Diode). |
| |
| Features: |
| The board consists of the following built-in-parts: |
| 01. Two, 0-1.5V DC, 0-10V DC and 0-25V DC at 500mA, IC Regulated Power Supplies (switch selectable). |
| 02. 0-50V D.C. at 100mA,continuously variable regulated Power Supply. |
| 03. Two, D.C. Ammeters, 65mm rectangular dial with switch selectable ranges of 50mA, 500mA, 5mA, 50mA and 500mA. |
| 04. D.C. Voltmeter,65mm rectangular dial with switch selectable ranges of 1V,10V and 50V. |
| 05. Electronic devices (all as mentioned under heading "OBJECT―). |
| 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 2mm spring loaded plug length ½ metre. |
| |
| Other Apparatus Required: |
| Digital Capacitance Meter |

Phone: +91-9896600003

Email: sales@naugralabequipments.com

Naugralabequipments

 $\textbf{Website:} \ www.naugralabequipments.com, \textbf{Email:} \ sales@naugralabequipments.com$

Address: 6148/6, Guru Nanak Marg, Ambala Cantt, Haryana, India. Phone: +91-9896600003