

Product Name : Study of Varactor Diode Characteristics	Product Code : NLAB-ELECTRONICSAB420004
Description : Study of Varactor Diode Characteristics	
Technical Specification : Experimental Training Board has been designed specifically for the Study of Varactor Diode Characteristics. Practical experience on this board carries great educative value for Science and Engineering Students. Object: 01. To determine the Junction(transition) Capacitance of a Varactor Diode as a function of the reverse bias voltage and to evaluate the internal contact potential. 02. To use the Varactor Diode as a variable capacitor. Features: The board consists of the following built-in parts: 01. 0-10V D.C at 100mA, continuously variable regulated Power Supply. 02. D.C. Voltmeter, 65 mm Rectangular dial to read 0-10V. 03. Varactor Diode. 04. Inductor and adequate no. of other electronic components. 05. Mains ON/OFF switch, Fuse and Jewel light. The unit is operative on 230V $\pm 10\%$ at 50Hz A.C. Mains. Adequate no. of patch cords stackable from rear both ends 4mm spring loaded plug length $\frac{1}{2}$ metre.	

Other Apparatus Required:

Digital Capacitance Meter

Audio Frequency Generator

Digital Frequency Counter

Cathode Ray Oscilloscope 20MHz

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