

Product Name : F.E.T. Characteristics	Product Code : NLAB-ELECTRONICSAB420010
Description : F.E.T. Characteristics	
Technical Specification : Experimental Training Board has been designed specifically to study the characteristics of a Field Effect Transistor. 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: To study the characteristics of Field Effect Transistor. 1. Measurement of $IDSS$ 2. Plot the static drain characteristics of FET 2.1 Drain Current V/s Drain Voltage Characteristics for different fixed values of V_{GS} 2.2 Drain Current V/s Gate Bias Characteristics for different fixed values of V_{DS} 3. Show that FET work as VVR (voltage variable resistance). 4. Calculate the FET parameters (drain dynamic resistance r , mutual conductance g , and amplification factor m) at a given operating point.	
FEATURES The Board consists of the following built-in parts:	

1. 0 to 20V D.C. at 50mA, continuously variable Power Supply.
2. 0 to 12V D.C. at 50mA, continuously variable Power Supply.
3. Two Digital Voltmeter DC 3½ Digit having range of 0- 20V.
4. Digital Current meter DC 3½ Digit having range of 0- 20mA
5. One Field Effect Transistor.
6. Adequate no. of other electronic components.
7. Mains ON/OFF switch, Fuse and Jewel light.
8. The unit is operative on 230V ±10% at 50Hz A.C. Mains.
9. Adequate no. of patch cords 4mm length 50cm.

Weight : 3 Kg. (Approx.)

Dimension : W 340 x H 110 x D 210

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