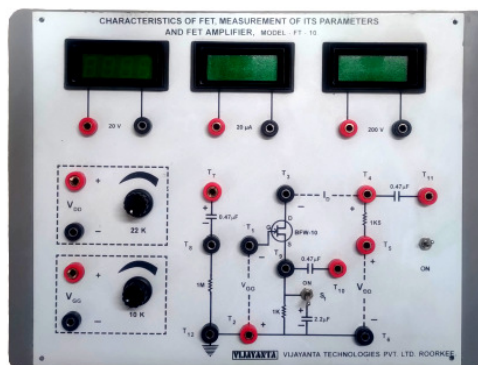


CHARACTERISTICS OF FIELD EFFECT TRANSISTOR (FET) MEASUREMENT OF ITS PARAMETERS,

MODEL : FT - 10



FEATURES :

- ** Two Power Supplies (Regulated, continuously variable, short circuit proof) suitable to the experimental board are builtin.
- ** Circuit is drawn on a decorated bakelite sheet to facilitate better and clear understanding.
- ** A complete working manual containing operating instructions, theory and circuit details will be supplied alongwith experimental board.
- ** Patch cords suitable the terminals are supplied with the board for easy interconnections and longer working life of the terminals.
- ** Weight : 3 Kg Approximately
- ** Dimension : 252mm × 330mm × 72mm

EXPERIMENTS :

1. To measure the pinch – off voltage of FET.
2. To plot the output Characteristics of the FET.
3. Measurement of drain current of zero gate voltage.
4. To plot the transfer Characteristics of FET and obtain the value of transconductance from it.
5. Performance study of FET amplifier in following configurations :
 - (a) Common Source – with and without feedback.
 - (b) Source follower. (Common Drain)

OTHER APPARATUS REQUIRED :

- | | | | |
|----|--|---------------|--------|
| 1. | Digital Voltmeter. | 0 – 200, Volt | 01 No. |
| 2. | Digital Voltmeter. | 0 – 20, Volt. | 01 No. |
| 3. | Digital Milliammeter. | 0 – 20, mAmp. | 01 No. |
| 1. | A.C. Millivoltmeter, Model – ACM – 536. (with builtin 1 KHz Oscillator) (Optional) | | |
| 2. | A. F. Oscillator, Model – 712. | | |
| 3. | A General Purpose C.R.O. | | |

Note: There may be any change in specification due to continuous R & D without notice.

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