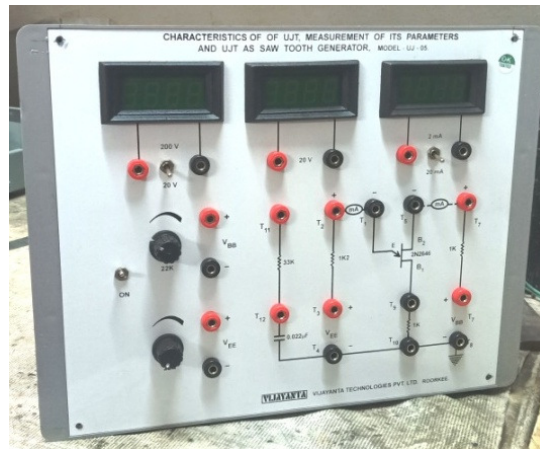


CHARACTERISTICS OF UNIJUNCTION TRANSISTOR (UJT) AND MEASUREMENT OF ITS PARAMETERS,

MODEL – UJ – 05.



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.

EXPERIMENTS :

1. To plot the emitter (or input) Characteristics of a UJT and obtain the value of the following parameters from it :
 - (a) Intrinsic shad – off ratio n .
 - (b) Peak point emitter current I_P .
 - (c) Valley point emitter current I_V .
 - (d) Valley point emitter voltage V_V .
 - (e) Emitter saturation voltage V_E (sat).
2. To plot the inter-base (or output) Characteristics of a UJT, and obtain the values of inter-base resistance R_{BB} from it.
3. To study the working of a UJT a saw Tooth Generator.

VJAYANTA TECHNOLOGIES PVT. LTD.

(Formerly Vijai Electronics)

Dr. Baldev Singh Marg 28/147 Civil Lines, Roorkee-247667 Distt. Haridwar, Uttarakhand

Phone No.: 01332 – 272509, 7579200827

E-Mail : vijayantatechologies@gmail.com, vijaielectronics1965@gmail.com

OTHER APPARATUS REQUIRED :

- | | | | |
|----|---------------------------------------------------------|---------------|--------|
| 1. | Digital Voltmeter. | 0 – 200, Volt | 01 No. |
| 2. | Digital Milliammeter. | 0 – 20, mAmp. | 01 No. |
| 3. | Digital Multimeter, Model – 4011. (“Sciencetech” make.) | | |
| 4. | A General Purpose C.R.O. | | |

- Weight : 2 Kg Approximately
- Dimension : 250mm × 325mm × 70mm

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

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