

Diodes Characteristics & Boltzman Constant

MODEL : DCBC - 01



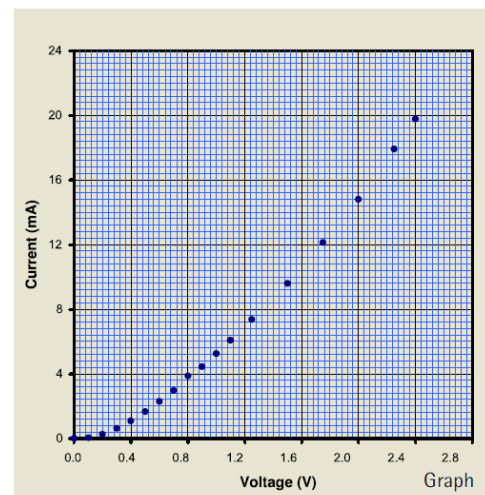
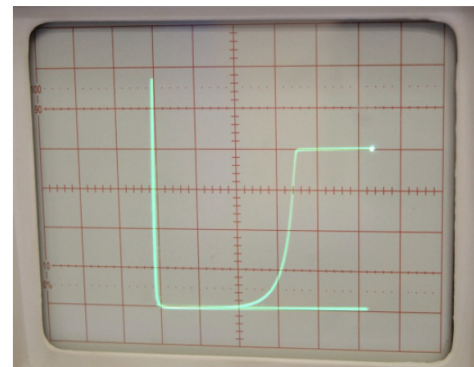
- Forward and reverse characteristics of Ge, Si diodes and LEDs
- Study of Zener diode characteristics
- CRO display of forward and reverse characteristics
- Determination of Boltzman Constant

The set-up is provided with a booklet which contains its theory of operation, description, suggestions and discussion of the experiments that may be performed with it.

The experimental set-up consists of the following:

1. Diodes: Rectifier-4007 (Si), Signal diode-1N34 (Ge), Zener 4.7V, LED and transistor BC-109
2. 3½ digit DPM which can measure diode voltage and current through op-amp circuit. This provides near ideal measurements.
3. Circuit to display forward/reverse characteristics of the diodes on a double trace CRO.
4. IC regulated internal power supplies.

The experimental set-up is complete in all respect, except a measuring CRO.



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

VIJAYANTA 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