Product Name :	**Product Code :**
DV/DT Limitation of SCRs	EEB0008

Description :

DV/DT Limitation of SCRs

Technical Specification :

DV/DT Limitation of SCRs

The offered range is known for enhancing the Dv/Dt capability of SCRs
to avoid false firing which may be disastrous in some applications.
This range is also known for designing and studying various snubber

circuits to improve the Dv/Dt capability of thyristors.

Objects:

- Test dv/dt estimation of the SCR

- Compare Dv/Dt capability by gate-cathode terminations

- Compare Dv/Dt capability by gate-cathode biasing (voltage biasing)

- Compare Dv/Dt capability by gate-cathode biasing (current biasing)

- To improve Dv/Dt capability by transistor snubber circuit

- Effect of R.C. snubber circuit on Dv/Dt capability

- Study of different scheme of R.C. Snubber circuit on Dv/Dt capability

Built in parts:

- 300 V D.C. at 250 mA, power supply internally connected

- Thyristor switch for applying sudden voltage on the SCR under experiment

- The SCR under experiment

- Resistance for gate-cathode termination

- Silicon diode

- Transistorized snubber circuit

- Two schemes for R-C snubber circuits

- Visual indication to indicate SCR firing

- Adequate no. of other electronic components

- Mains ON/OFF switch, fuse and jewel light

Specifications:

- The unit is operative on 230 V ±10% at 50 Hz A.C. mains

- Adequate no. of patch cords stackable 4 mm spring loaded plug length ½ meter

- Good quality, reliable terminal/sockets are provided at appropriate places on panel for connections/ observation of waveforms

- Strongly supported by detailed operating instructions, giving details of object, theory, design procedures, report suggestions and book references

- Weight: 3 kg. (approx.)

- Dimension: W 340 x H 110 x D 210

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