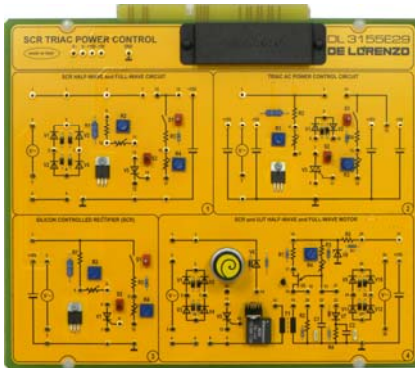


SCR TRIAC POWER CONTROL



DL 315E29

Theoretical topics:

- Thyristor component familiarization
- Thyristor circuit fundamentals
- Test a Silicon Controlled Rectifier
- SCR DC operation
- Gate trigger voltage and holding current
- SCR half-wave rectifier
- SCR control of a half-wave rectifier
- SCR control of a full-wave rectifier
- UJT characteristics
- UJT half-wave and full-wave phase control
- Bidirectional conduction
- The four triggering modes
- Half-wave and full-wave phase control
- Fault simulation

Circuit blocks:

- Silicon Controlled Rectifier (SCR)
- Triac AC power control circuit
- SCR half-wave and full-wave circuit
- SCR and UJT half-wave and full-wave Motor