



**Sciencetech 2707** is a platform which is very useful for Students to understand the low voltage application of the SCR in series inverter. 2707 is provided with in built power supply, socket for making different interconnections in the circuit and exhaustive learning material.

### Features

- Built in Power Supply
- Easy to operate and understand
- On board triggering circuit
- Sockets to make connections
- Gradual variation of frequency
- Test points to observe output at different points

### Scope of Learning

- Study of the operation of series inverter

### Technical Specifications

|                                   |   |
|-----------------------------------|---|
| <b>Circuit DC supply</b>          | : +5 V, +12 V   |
| <b>On board firing circuits :</b> |   |
|                                   | Square wave Generator.  |
|                                   | Logic circuit for two get signals output.   |
| <b>Frequency variation</b>        | : Gradually variation   |
| <b>SCR</b>                        | : 2 SCRs 2P4M, 400V/2A  |
| <b>Mains Supply</b>               | : 220V/110V, 50 Hz / 60 Hz  |
| <b>Test points</b>                | : 7 nos   |
| <b>Interconnection</b>            | : 2 mm socket   |
| <b>Dimensions (mm)</b>            | : W 420 x D 255 x H 100   |
| <b>Weight</b>                     | : 1 Kg. (approximately)   |
| <b>Operating Conditions</b>       | : 0-40°C, 85% RH  |
| <b>Product Tutorial</b>           | : Online on<br><a href="http://www.SciencetechLearning.com">www.SciencetechLearning.com</a> |
| <b>Included Accessories :</b>     |   |
| 2mm Patch cord 16"                | : 4 nos.  |
| Mains cord                        | : 1 no.   |

