



DC TO DC CONVERTER TRAINER

MODEL-INV04

This trainer has been designed with a view to provide practical and experimental knowledge of DC to DC Converter on SINGLE PCB.

SPECIFICATIONS

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|--------------------------|---|--|
| 1. Principle | : | Conversion of low voltage DC to high voltage DC. |
| 2. DC Source | : | 12V DC (unregulated). |
| 3. Type of Inverter | : | Parallel Inverter. |
| 4. Trigger Circuit | : | Digital trigger circuit with variable control. . |
| 5. Trigger Frequency | : | 25Hz to 170Hz (variable). |
| 6. Commutation | : | Complementary voltage type. |
| 7. Output | : | High Voltage DC. |
| 8. Controls | : | 1. Mains ON / OFF
2. Potentiometric for variable trigger frequency. |
| 9. Indicators | : | Mains ON / OFF. |
| 10. Test Points | : | Provided at various stages in the circuit to observe waveforms and voltages. |
| 11. Power Requirements | : | 230V, $\pm 10\%$ AC, 50Hz, Single phase. |
| 12. Standard Accessories | : | Detailed Instruction Manual. |

In keeping view of SIGMA policy of continuous development and improvement, the Specifications may be changed without prior notice or obligation.

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