

# Dissectable Transformer

## Small – 12V AC



**EM4089-050**

### Description:

A small and very useful low voltage kit housed in a compact plastic carry pack complete with a carry handle and sponge foam inserts to store the components. Easy to store.

This is the transformer from the 'Hodson' Induction Kit. The Induction Kit (EM1973-001) has many more parts to permit many experiments relating to transformers, inductors and motors. The full kit has a pre-wound primary coil and empty bobbins for the student to wind his/her own secondary coils with various numbers of turns. This model has 4x pre-wound coils to be used for primaries and secondaries and students are not required to wind coils.

This item is used only for transformer theory, turns ratios, magnetising current and many other aspects of transformers and inductors. The laminated U and I cores are held together by strong rubber bands and the laminated I core can be replaced with a plain iron core to study losses in the iron and heating due to eddy currents.

The cores may be used on either AC or DC and study in electromagnets can be performed.

Length: 290mm	Width: 130mm	Height: 120mm	Weight: 2.0kg
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### Kit Contains:

- 1x Laminated iron core, U and I. Cross section of iron: 16x16mm.  
The laminations are held in strong plastic formers for easy dismantling.
- 1x Primary coil, 300 turns. Suitable for 12V.AC. on the iron circuit.
- 3x Secondary coils, 600 turns, 1,000 turns and 1,200 turns.
- 1x Plain iron bar (long) to replace laminated I core for some experiments.
- 2x Plain iron bars (short) for making electro magnets.
- 2x Plastic clamps for holding short iron cores in place.
- 2x Strong bar magnets & keepers for experiments in induction and magnetic fields.
- 1x Carry case with handle and sponge foam fitments.
- 1x Instruction booklet from the 'Hodson' Induction Kit with theory and experiments that can be performed. **Note:** Since this item is not a full 'Hodson' Induction kit, many of the Induction Kit experiments cannot be performed.

Designed and manufactured in Australia