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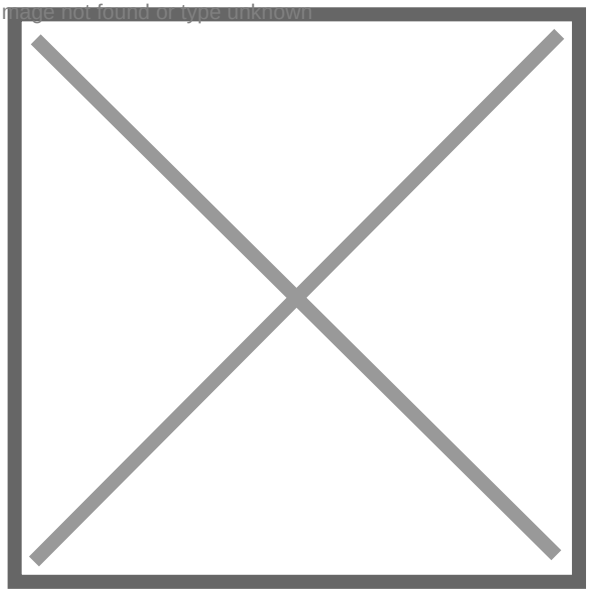
Product Name :

Transformer Parts Kit

Product Code :

SCL-235/033

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Description :

Transformer Parts Kit (Product Code: SCL-235/033) is a demountable transformer experiment kit used to assemble transformers and demonstrate electromagnetic induction effects in school and college physics laboratories. Its interchangeable coils, from 100 to 1800 turns, fit a U and I core measuring 32 x 25 mm, and two multimeters are included for measuring primary and secondary values. The kit is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer and laboratory equipment supplier in India, at its own factory in Ambala.

Specifications

Parameter	Detail
Coils	100 turns with wings; 300 turns; 300 turns with wings; 600 turns (2 pieces); 900 turns; 1200 turns (listed “with zero”); 1800 turns
Core	U and I core, 32 x 25 mm
Support bases	6 pieces
Meters	2 multimeters
Connecting cables	8 pieces, 50 cm long
Power	Detachable power source transformer; electric power source
Plates and disc	Flat sector-shaped plate; sector-shaped plate with cracks (slots); aluminium motor disc
Rings and coil	Solid aluminium ring; separate aluminium ring; copper coil
Mechanical parts	Vertical support rod, screw shaft, tightening plate, tightening screw, transformer base, 4 tightening screws
Nails	10 pieces
Product code	SCL-235/033
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Transformer Parts Kit Used For?

The main exercise is building step-up and step-down transformers. Students slide a primary and a secondary coil onto the U core, close it with the I yoke and the tightening plate, apply a low alternating voltage and measure both sides with the two multimeters. Pairing, say, the 300-turn coil with a 600-turn coil gives a 1:2 ratio, and the 900, 1200 and 1800-turn coils extend the range, so the class can check that the voltage ratio follows the turns ratio.

The remaining parts widen this transformer experiment kit for school labs into a full induction set: the solid and slotted sector plates and the aluminium disc show how eddy currents act on conductors, while the vertical support rod with the solid and separate aluminium rings suits ring-repul yoke firmly

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