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Product Name :

Demountable Transformer Kit

Product Code :

SLE/PHY/155



Description :

Demountable Transformer Kit (Product Code: SLE/PHY/155) is a laminated low-loss transformer core with clearly labelled coils, used to demonstrate the step-up and step-down transformer principle in school and college physics laboratories. Its highly permeable U-shaped core, 40 x 40 mm in cross-section, closes with two clamps and tightening screws, and suitsGCSE and A-Level physics demonstrations. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Core	Laminated, low-loss; highly permeable U-shaped metal sheeting
Core closure	Two clamps with tightening screws
Coils	Clearly labelled; different coils can be attached to the core
Core cross-section	40 x 40 mm
Overall size	150 mm (L) x 170 mm (H)
Demonstrates	Step-up and step-down transformer principle
Course level	GCSE physics and science; A-Level physics demonstrations
Product code	SLE/PHY/155
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Demountable Transformer Used For?

With this kit a teacher builds a working transformer in front of the class: coils are fitted on the limbs of the U-shaped core, the core is closed with its clamps, an alternating supply is applied to the primary and the output of the secondary is measured. Swapping coils shows the step-up and step-down cases and lets students test the turns-ratio relationship between primary and secondary voltage. The clearly labelled coils make it easy for everyone to see which winding is in use.

The kit also links classroom physics to everyday technology, from the transformers inside domestic electrical appliances to the step-up and step-down stages that make long-distance power transmission efficient. Loosening the clamps to open the core is a quick way to show how much the magnetic circuit matters. Use only supply voltages suited to the fitted coils and switch off before changing them; for many schools this is the core item of a transformer experiment kit.

What to Specify When Ordering

- Number of kits, for teacher demonstration or for student groups.
- The coils you expect to receive or add — ask us to confirm the coil set supplied with the kit.
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