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Product Name :

Demountable Transformer Accessory Set No. 1

Product Code :

SLE/PHY/86



Description :

Demountable Transformer Accessory Set No. 1 (Product Code: SLE/PHY/86) is a transformer accessory set used to demonstrate the heavy currents a step-down transformer can deliver in school and college physics laboratories. With it, a teacher shows that these currents are large enough to weld metals or boil water, two striking results that make transformer theory memorable. The set is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer and physics instruments supplier in India, at its own factory in Ambala.

Key Details

Parameter	Detail
Purpose	Shows that a step-down transformer can produce currents large enough to weld metals or boil water
Requirement	Mains coil required
Used with	Demountable transformer apparatus
Set	No. 1 (Set No. 2 is listed separately)
Product code	SLE/PHY/86
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Transformer Accessory Set No. 1 Used For?

In a step-down transformer the secondary has fewer turns than the primary, so the voltage falls while the available current rises. Accessory Set No. 1 turns that principle into visible demonstrations, showing that the secondary side can supply enough current to weld metal or bring water to the boil. It works as a transformer experiment kit add-on for the teacher's demonstration bench rather than for pupil practicals.

Because the set runs with a mains coil and produces heavy currents and heat, the demonstration should be set up and switched on by a teacher or technician. Assemble the transformer completely before connecting the supply, keep students at a safe distance, and let hot parts cool before the apparatus is dismantled.

What to Specify When Ordering

- Whether your laboratory already has a demountable transformer with a mains coil, since the set requires one.
- Whether Accessory Set No. 2 should be quoted at the same time.
- The number of sets needed across your physics laboratories.
- Delivery location, so packing and freight can be included in the quotation.

OEM Manufacturer

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