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Product Name :

Three-phase Mobile Transformer

Product Code :

SLE/EPS/05



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Description :

Three-phase Mobile Transformer (Product Code: SLE/EPS/05) is a three-limb, three-phase teaching transformer used to demonstrate transformer theory and winding connections in electrical engineering and polytechnic laboratories. Its windings work at one volt per turn, so the no-load secondary voltage equals the number of secondary turns — something students can check for themselves. It is produced by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM and technical educational equipment manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Construction	Three identical transformers on a common core, forming a three-limb, three-phase transformer
Volts per turn	One volt each turn (no-load output voltage equals the number of secondary turns)
Tappings	Selection of high-voltage (primary) and low-voltage (secondary) tappings for a range of input and output voltages
Terminals	All tappings connected to coloured, shrouded sockets for safety
Winding connections	All tappings accessible, so windings can be linked to suit any of the common three-phase connections
Enclosure	Steel enclosure with small wheels for ease of mobility
Product code	SLE/EPS/05
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Three-phase Transformer Used For?

Students use the Three-phase Mobile Transformer to explore transformer principles with values they can predict. Because each turn produces one volt, the expected no-load output of any secondary tapping is simply its turn count, so turns-ratio and voltage-ratio exercises are quick to verify with a meter.

With every tapping on its own shrouded socket, groups wire the primary and secondary windings to suit the experiment — including the common three-phase connections such as star and delta — and compare line and phase voltages. The wheeled steel enclosure lets one unit move between benches, or into a lecture room for demonstrations. Always isolate the supply before changing connections.

What to Specify When Ordering

- The input (primary) and output (secondary) voltages your experiments need, so the tapping selection can be confirmed.
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OEM

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