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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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